

# STIC EIC 2100 Search Request Form

(61)

Today's Date:

12/17/07

What date would you like to use to limit the search?

Priority Date: 11/12/03

Other:

Name Susan Bayan

AU 2167 Examiner # 77889

Room # 4C-05 Phone \_\_\_\_\_

Serial # 101706, 731

Format for Search Results (Circle One):

PAPER

DISK

EMAIL

Where have you searched so far?

USP

DWPI

EPO

JPO

ACM

IBM TDB

IEEE

INSPEC

SPI

Other \_\_\_\_\_

Is this a "Fast &amp; Focused" Search Request? (Circle One) YES NO

A "Fast & Focused" Search is completed in 2-3 hours (maximum). The search must be on a very specific topic and meet certain criteria. The criteria are posted in EIC2100 and on the EIC2100 NPL Web Page at <http://ptoweb/patents/stic/stic-tc2100.htm>.

What is the topic, novelty, motivation, utility, or other specific details defining the desired focus of this search? Please include the concepts, synonyms, keywords, acronyms, definitions, strategies, and anything else that helps to describe the topic. Please attach a copy of the abstract, background, brief summary, pertinent claims and any citations of relevant art you have found.

Is this request for a BOARD of APPEALS case? (Circle One) YES NO

Is this case a SPECIAL CASE?

(Circle One) YES NO

Assigned: IBM  
Inventor John Barker Rollins

Direct Linkage to Kdb table  
for data preparation

- create temporary dataset (SAS dataset)
  - read data from relational table to temporary dataset
  - data read in is prepared (prepared data)
  - create db table store prepared data
  - merge data sets into single dataset to include additional prepared data store in database table
- SAS dataset  
relational database table  
linked to SAS dataset  
read raw data from database table to a dataset (SAS) without generating an output flat file

BASE/SAS

SAS/ACCESS

STIC Searcher Ruth Spink

Phone 2-3524

Date picked up 1/17/07

Date Completed 1/17/07

Set	Items	Description
S1	57741	S RELATION? () (DATABASE? ? OR DATA()BASE? ? OR DB) OR RDB OR RDBMS OR DB2 OR (MS OR MICROSOFT) () (ACCESS OR EXCEL)
S2	76486	S (DATA OR INFORMATION) (3N) (PREPARE? ? OR PREPARING OR PREPARATION OR CLEAN? OR TRANSFORM? OR TRANSLAT? OR ANALY?E? ? OR ANALY?ING OR ANALYSIS ) (3N) (TOOL? ? OR SOFTWARE OR APPLICATION? ? OR PROGRAM? ?)
S3	10436	S SAS AND (SOFTWARE OR APPLICATION? ? OR PROGRAM? ? OR ACCESS OR BASE)
S4	1154	S S1 AND (S2 OR S3)
S5	21	S (WITHOUT OR NO OR "NOT" OR AVOID?? OR AVOIDING OR OMIT OR OMITTED OR OMITTING OR OMISSION OR (LEAVE OR LEFT OR LEAVING) ()OUT OR SKIP OR SKIPPED OR SKIPPING ) (3N) (FLAT()FILE? ?)
S6	0	S S4 AND S5
S7	7	S S1 (5N) (LINK OR LINKAGE OR LINKED OR LINKING) (5N) (S2 OR S3)
S8	7	S S7 NOT PY>2003
S9	5	RD (unique items)
S10	7	S S7 NOT RD > 20031112
S11	2	S S10 NOT S9
S12	1	RD (unique items)
S13	4446	S (MERGE? ? OR MERGING OR UNITE? ? OR UNITING ) (3N) (S1 OR TABLE? ?)
S14	1	S S13 AND S4
S15	1	S S14 NOT (S9 OR S12)

; show files

[File 8] **Ei Compendex(R)** 1970-2007/Jan W1

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*\*File 8: The file has been reprocessed and accession numbers have changed. See HELP NEWS988 for details.*

[File 35] **Dissertation Abs Online** 1861-2006/Nov

(c) 2006 ProQuest Info&Learning. All rights reserved.

[File 65] **Inside Conferences** 1993-2007/Jan 17

(c) 2007 BLDSC all rts. reserv. All rights reserved.

[File 2] **INSPEC** 1898-2007/Dec W4

(c) 2007 Institution of Electrical Engineers. All rights reserved.

*\*File 2: UD200612W3 is the last update for 2006. UD200701W1 will be the next update. The file is complete.*

[File 94] **JICST-EPlus** 1985-2007/Jan W2

(c) 2007 Japan Science and Tech Corp(JST). All rights reserved.

*\*File 94: UD200609W2 is the last update for 2006. UD200701W1 is the first update for 2007. The file is complete and up to date.*

[File 111] **TGG Natl.Newspaper Index(SM)** 1979-2007/Jan 12

(c) 2007 The Gale Group. All rights reserved.

[File 6] **NTIS** 1964-2007/Jan W2

(c) 2007 NTIS, Intl Cpyrght All Rights Res. All rights reserved.

[File 144] **Pascal** 1973-2007/Dec W2

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[File 434] **SciSearch(R) Cited Ref Sci** 1974-1989/Dec

(c) 2006 The Thomson Corp. All rights reserved.

[File 34] **SciSearch(R) Cited Ref Sci** 1990-2007/Jan W1  
(c) 2007 The Thomson Corp. All rights reserved.

[File 62] **SPIN(R)** 1975-2007/Dec W4  
(c) 2007 American Institute of Physics. All rights reserved.

[File 99] **Wilson Appl. Sci & Tech Abs** 1983-2007/Dec  
(c) 2007 The HW Wilson Co. All rights reserved.

[File 95] **TEME-Technology & Management** 1989-2007/Jan W2  
(c) 2007 FIZ TECHNIK. All rights reserved.

[File 56] **Computer and Information Systems Abstracts** 1966-2006/Dec  
(c) 2006 CSA. All rights reserved.

[File 57] **Electronics & Communications Abstracts** 1966-2006/Dec  
(c) 2006 CSA. All rights reserved.

[File 60] **ANTE: Abstracts in New Tech & Engineer** 1966-2006/Dec  
(c) 2006 CSA. All rights reserved.

[File 266] **FEDRIP** 2006/Dec  
Comp & dist by NTIS, Intl Copyright All Rights Res. All rights reserved.

[File 583] **Gale Group Globalbase(TM)** 1986-2002/Dec 13  
(c) 2002 The Gale Group. All rights reserved.  
*\*File 583: This file is no longer updating as of 12-13-2002.*

[File 438] **Library Lit. & Info. Science** 1984-2007/Dec  
(c) 2007 The HW Wilson Co. All rights reserved.

[File 256] **TecInfoSource** 82-2006/Jul  
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9/5/1 (Item 1 from file: 8) [Links](#)

Ei Compendex(R)

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09594842 E.I. No: EIP03457709389

**Title: Innovative environmental compliance management using GIS**

**Author:** Anderson, Peter H.; Rader, John C.

**Corporate Source:** Environmental Management Practice Ogden Environ. and Energy Services, Westford, MA 01886, United States

**Conference Title:** Proceedings of the 2000 TAPPI International Environmental Conference and Exhibit

**Conference Location:** Denver, CO, United States **Conference Date:** 20000506-20000510

**Sponsor:** TAPPI; NCASI; PAPTAC; FSDA

**E.I. Conference No.:** 61635

**Source:** TAPPI Proceedings - Environmental Conference and Exhibit v 1 2000. p 223-231

**Publication Year:** 2000

**Language:** English

**Document Type:** CA; (Conference Article) **Treatment:** T; (Theoretical)

**Journal Announcement:** 0311W2

**Abstract:** Environmental regulations requiring compiling large amounts of regulatory compliance information are driving the development of a wide range of computer-based applications for managing such data. One emerging area is the use of Geographic Information Systems (GIS)-based applications to interface with databases to track multimedia facility compliance and provide enhanced data interpretation and analysis capabilities. These applications link relational databases to GIS software programs, and allow the user to query and visually display regulatory compliance information and process equipment and data. GIS-based applications, unlike conventional databases, can provide an array of planimetric, spatial, and visual representations of environmental releases, monitoring data, process equipment, and plant configurations. Using a case study, this paper presents an overview of how developing information management tools in a GIS-based architecture can help companies enhance the value of existing database information. With these new tools, environmental managers now have added interpretive capabilities through spatial analysis and visual representation of data accessed from multiple databases.

**Descriptors:** \*Environmental impact; Geographic information systems; Relational database systems; Multimedia systems; Regulatory compliance

**Identifiers:** Visual representations

**Classification Codes:**

454.2 (Environmental Impact & Protection); 903.3 (Information Retrieval & Use); 723.3 (Database Systems); 723.5 (Computer Applications); 902.2 (Codes & Standards)

454 (Environmental Engineering); 903 (Information Science); 723 (Computer Software, Data Handling & Applications); 902 (Engineering Graphics; Engineering Standards; Patents)

45 (POLLUTION, SANITARY ENGINEERING & WASTES); 90 (ENGINEERING, GENERAL); 72 (COMPUTERS & DATA PROCESSING)

9/5/2 (Item 2 from file: 8) [Links](#)

Fulltext available through: [USPTO Full Text Retrieval Options](#) [SCIENCEDIRECT](#)

Ei Compendex(R)

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08431268 E.I. No: EIP99124935682

**Title: Secondary power system evaluations for advanced aircraft**

**Author:** Lykins, R.; Ramalingam, M.; Donovan, B.; Durkin, E.; Beam, J.

**Corporate Source:** Univ of Dayton, Dayton, OH, USA

**Source:** Transactions of the Canadian Society for Mechanical Engineering v 23 n 1 B 1999. p 117-127

**Publication Year:** 1999

**CODEN:** TCMEAP **ISSN:** 0315-8977

**Language:** English

**Document Type:** JA; (Journal Article) **Treatment:** A; (Applications); T; (Theoretical)

**Journal Announcement:** 0001W4

**Abstract:** A computerized analytical program is being developed to help investigate the impact of power system requirements on aircraft performance. The program has an user interface that operates in **MS-EXCEL**, **linking** several subsystems **analysis programs** for execution and **data** transfer in the power systems **analysis**. The **program** presently includes an encoded propulsion engine cycle code, which allows the inspection of power extraction effects on engine performance. To validate the results of the encoded engine program, a study was conducted to investigate the separate effects of shaft power extraction and pneumatic bleed. The selected engine cycle was that for a standard tactical fighter, with a flight condition of varied altitude (sea level to 40,000 ft) and constant Mach Number (0.9). As expected the resultant data showed that the engine performance was more sensitive to pneumatic bleed than to shaft power extraction. The paper's efficiency comparisons between shaft power and bleed air power helps indicate the higher efficiency for the power system of a more-electric type aircraft. Present efforts on the analytical interface are to incorporate a fuel thermal management analysis capability. (Author abstract) 6 Refs.

**Descriptors:** \*Aircraft engines; Electric power systems; Computer software; User interfaces; Systems analysis; Data transfer; Aircraft propulsion; Encoding (symbols)

**Identifiers:** Shaft power extraction; Pneumatic bleed; Mach number

**Classification Codes:**

653.1 (Aircraft Engines, General); 706.1 (Electric Power Systems); 723.5 (Computer Applications); 722.2 (Computer Peripheral Equipment); 723.2 (Data Processing)

653 (Aircraft Engines); 706 (Electric Transmission & Distribution); 723 (Computer Software); 722 (Computer Hardware)

65 (AEROSPACE ENGINEERING); 70 (ELECTRICAL ENGINEERING); 72 (COMPUTERS & DATA PROCESSING)

9/5/3 (Item 1 from file: 65) [Links](#)

Inside Conferences

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03458520 **Inside Conference Item ID:** CN036480282

**User-friendly, Data Analysis Tools Linked to a Microsoft Access Database A Working Application in Population-based Chronic Disease Management**

Duncan, L. S.; Muhsin, F.; Mehta, G.; De Winton, C.; Mehta, A.

**Conference:** Toward an electronic patient record - Conference

TOWARD AN ELECTRONIC PATIENT RECORD , 1998; VOLUME 1 P: 76-83

Medical Records Institute, 1998

**ISBN:** 0964066742

**Language:** English **Document Type:** Conference Papers

**Editor:** Waegemann, C. P.

**Sponsor:** Medical Records Institute

**Location:** San Antonio, TX

**Date:** May 1998 ( 199805 ) ( 199805 )

**British Library Item Location:** 8871.349900

**Note:**

Also known as TEPR'98

**Descriptors:** electronic patient record; patient record; medical records; TEPR

9/5/4 (Item 1 from file: 2) [Links](#)

INSPEC

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03287853 **INSPEC Abstract Number:** C84035660

**Title:** A resource management and research information system for health services

**Author** Fawcett, G.; Briefer, C.

**Author Affiliation:** Univ. of Michigan, Ann Arbor, MI, USA

**Conference Title:** Proceedings of the Seventeenth Hawaii International Conference on System Sciences 1984 p. 386-95 vol.2

**Editor(s):** Fry, J.P.; Panko, R.R.; Sprague, R.H., Jr.; Weissman, L.; Shriver, B.D.; Cousins, T.R.; Walker, T.H.

**Publisher:** Hawaii Int. Conference on Syst. Sci , Honolulu, HI, USA

**Publication Date:** 1984 **Country of Publication:** USA 2 vol(ix+678+vi+426) pp.

**Conference Date:** 4-6 Jan. 1984 **Conference Location:** Honolulu, HI, USA

**Language:** English **Document Type:** Conference Paper (PA)

**Treatment:** Practical (P)

**Abstract:** This paper describes the design features, content, and uses of an expandable on-line multipurpose information system for Health Services at The University of Michigan. Using a combination of 'relational' data base management software, linked to statistical analysis software, the Health Service system enables the user to: (1) monitor patient/provider transactions, (2) dynamically analyze and redistribute health service resources, (3) analyze and investigate health habits, health behaviour and illness patterns across the campus environment, (4) assess and allocate health care costs by constituency served, (5) identify natural community settings for conducting experiential research, (6) predict health service utilization by illness over time intervals, and (7) provide dynamic decision support information to the Director of Health Services. Although the primary data base contains all 'patient/health care provider' transaction data per health service visit, the system has been designed to allow the addition of unlimited new data bases without change to the existing software. Such flexibility combined with user friendly query exists not only on the current Amdahl mainframe, but is also provided with associated DBMS software on the Prime minicomputer and 8-bit microcomputers. ( 0 Refs)

**Subfile:** C

**Descriptors:** medical administrative data processing

**Identifiers:** resource management; research information system; health services; University of Michigan; data base management; statistical analysis

**Class Codes:** C7140 (Medical administration)

9/5/5 (Item 1 from file: 144) Links

Pascal

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12390824 PASCAL No.: 96-0038258

Relational bibliometrics

ISSI '95 : proceedings of the fifth biennial international conference of the International Society for Scientometrics and Infometrics : River Forest IL, June 7-10, 1995

SMALL H

KOENIG Michael ED, ed; BOOKSTEIN Abraham, ed

Inst. sci. information, Philadelphia PA, USA

Rosary College. Graduate School of Library & Information Science, USA.

International Society for Scientometrics and Informetrics. International conference, 5 (River Forest IL USA) 1995-06-07

1995 525-532

Publisher: Learned Information, Medford NJ

Availability: INIST-Y 30858; 354000053483300510

No. of Refs.: 8 ref.

Document Type: C (Conference Proceedings) ; A (Analytic)

Country of Publication: USA

Language: English

The concept behind relational databases is shown to be consistent with the goals of bibliometric computation. A relational data model for bibliographic data is described, and exemplified by ISI (R) 's Integrated Citation File. The citation network is modeled as a recursive table, and the near-symmetry of citations and references in this file is observed. SQL commands are presented for computing the common coupling measures, and a new variant called longitudinal coupling.

English Descriptors: Bibliometrics; Data processing;

Relational database; Bibliographic data;

Bibliometric analysis; Tool; Database management system;

Query language; Citation analysis; Models; Citation index; Link;

Citation network

French Descriptors: Bibliometrie; Traitement donnee; Base donnee

relationnelle; Donnee bibliographique; Analyse bibliometrique; Outil;

Systeme gestion base donnee; Langage interrogation; Analyse citation;

Modele; Index citation; Lien; ISI (R) 's Integrated Citation File; Reseau citation

Classification Codes: 001A01A02; 205



12/5/1 (Item 1 from file: 144) [Links](#)

Fulltext available through: [USPTO Full Text Retrieval Options](#) [SCIENCEDIRECT](#)

Pascal

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14556944 PASCAL No.: 00-0223029

Secondary power system evaluations for advanced aircraft

LYKINS R; RAMALINGAM M; DONOVAN B; DURKIN E; BEAM J

Univ of Dayton, Dayton OH, United States

Journal: Transactions of the Canadian Society for Mechanical Engineering, 1999, 23

(1 B) 117-127

ISSN: 0315-8977 CODEN: TCMEAP Availability: INIST-XXXX

No. of Refs.: 6 Refs.

Document Type: P (Serial) ; A (Analytic)

Country of Publication: Canada

Language: English

A computerized analytical program is being developed to help investigate the impact of power system requirements on aircraft performance. The program has an user interface that operates in MS-EXCEL, linking several subsystems analysis programs for execution and data transfer in the power systems analysis. The program presently includes an encoded propulsion engine cycle code, which allows the inspection of power extraction effects on engine performance. To validate the results of the encoded engine program, a study was conducted to investigate the separate effects of shaft power extraction and pneumatic bleed. The selected engine cycle was that for a standard tactical fighter, with a flight condition of varied altitude (sea level to 40,000 ft) and constant Mach Number (0.9). As expected the resultant data showed that the engine performance was more sensitive to pneumatic bleed than to shaft power extraction. The paper's efficiency comparisons between shaft power and bleed air power helps indicate the higher efficiency for the power system of a more-electric type aircraft. Present efforts on the analytical interface are to incorporate a fuel thermal management analysis capability.

English Descriptors: Shaft power extraction; Pneumatic bleed; Mach number; Application; Electric power systems; Computer software; User interfaces; Systems analysis; Data transfer; Aircraft propulsion; Encoding (symbols); Aircraft engines; Theory

French Descriptors: Application; Reseau electrique; Logiciel; Interface utilisateur; Analyse systeme; Transfert donnee; Propulsion aeronef; Codage symbolique; Moteur aeronef; Theorie

Classification Codes: 001D15J; 001D05I01; 001D02B12; 001D03J03; 001D02B07B

15/5/1 (Item 1 from file: 65) [Links](#)

Inside Conferences

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05888079 **Inside Conference Item ID:** CN060960111

**Cosmological Simulations in a Relational Database: Modelling and Storing Merger Trees**

Lemson, G.; Springel, V.

**Conference:** Astronomical data analysis software and systems; Astronomical data analysis software and systems

XV - Meeting; 15th

ASTRONOMICAL SOCIETY OF THE PACIFIC CONFERENCE SERIES , 2006; VOL 351 P: 212-215

San Francisco, Calif., Astronomical Society of the Pacific, c2006

**ISSN:** 1080-7926 **ISBN:** 1583812199

**Language:** English **Document Type:** Conference Papers

**Editor:** Gabriel, Carlos

**Location:** San Lorenzo de El Escorial, Spain

2005; Oct ( 200510 ) ( 200510 )

**British Library Item Location:** 1756.200000

**Descriptors:** Astronomical data analysis software; Astronomical data analysis systems

Set	Items	Description
S1	12600	S RELATION?() (DATABASE? ? OR DATA()BASE? ? OR DB) OR RDB OR RDBMS
S2	1848	S (DATA OR INFORMATION) () (PREP? OR CLEAN? OR TRANSFORM? OR TRANSLAT? OR ANALY?E? ? OR ANALY?ING OR ANALYSIS ) () (TOOL? ? OR SOFTWARE OR APPLICATION? ? OR PROGRAM? ?)
S3	13938	S SAS
S4	24	S S1 (30N) (S2 OR S3)
S5	19	S S4 AND IC=G06F
S6	18	S S5 AND AY=1963:2003
S7	18	IDPAT (sorted in duplicate/non-duplicate order)
S8	18	IDPAT (primary/non-duplicate records only)
S9	2336	S FLAT()FILE? ?
S10	129	S S9 (3N) (WITHOUT OR NO OR "NOT" OR AVOID?? OR AVOIDING OR OMIT OR OMITTED OR OMITTING OR OMISSION OR (LEAVE OR LEFT OR LEAVING) ()OUT OR SKIP OR SKIPPED OR SKIPPING )
S11	24432	S (DATA OR INFORMATION) (3N) (PREPARE? ? OR PREPARING OR PREPARATION OR CLEAN? OR TRANSFORM? OR TRANSLAT? OR ANALY?E? ? OR ANALY?ING OR ANALYSIS ) (3N) (TOOL? ? OR SOFTWARE OR APPLICATION? ? OR PROGRAM? ?)
S12	163	S S1 (30N) (S11 OR S3)
S13	1	S S12 (30N) S10
S14	1	S S1 (5N) (LINK OR LINKAGE OR LINKED OR LINKING) (5N) (S11 OR S3)
S15	0	S S14 NOT S13
S16	1	S S12 (10N) ((READ OR READING) (2N) (DIRECT OR DIRECTLY OR STRAIGHT))
S17	0	S S16 NOT S13
S18	1604	S (MERGE? ? OR MERGING OR UNITE? ? OR UNITING ) (3N) (S1 OR TABLE? ?)
S19	1	S S12 (30N) S18
S20	0	S S19 NOT S13
S21	57	S (TEMP OR TEMPORARY OR SAS ) () (DATASET? ? OR DATA()SET? ?)
S22	4	S S1 (30N) S21
S23	3	S S22 NOT (S8 OR S13)
S24	3	IDPAT (sorted in duplicate/non-duplicate order)
S25	3	IDPAT (primary/non-duplicate records only)

; show files

[File 348] **EUROPEAN PATENTS 1978-2006/ 200702**

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*\*File 348: For important information about IPCR/8 and forthcoming changes to the IC= index, see HELP NEWSIPCR.*

[File 349] **PCT FULLTEXT 1979-2006/UB=20070111UT=20070104**

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*\*File 349: For important information about IPCR/8 and forthcoming changes to the IC= index, see HELP NEWSIPCR.*

[File 350] **Derwent WPIX 1963-2006/UD=200704**

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*\*File 350: DWPI has been enhanced to extend content and functionality of the database. For more info, visit <http://www.dialog.com/dwpi/>.*

8/5/1 (Item 1 from file: 350) [Links](#)

Derwent WPIX

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0015036483 *Drawing available*

WPI Acc no: 2005-384475/200539

Related WPI Acc No: 2003-039623

XRAM Acc no: C2005-118968

XRPX Acc No: N2005-311734

**Data manager for publishing probe array results to selected database, comprises database generator for receiving existing or new database, results-for-publication identifier and publisher to publish set of probe array results**

Patent Assignee: AFFYMETRIX INC (AFFY-N)

Inventor: BERNHART D; JEVONS L; SHEPPY C G

Patent Family ( 1 patents, 1 countries )

Patent Number	Kind	Date	Application Number	Kind	Date	Update	Type
US 20050108197	A1	20050519	US 2001274988	P	20010312	200539	B
			US 2002683982	A	20020308		
			US 2004962973	A	20041012		

Priority Applications (no., kind, date): US 2002683982 A 20020308; US 2001274988 P 20010312; US 2004962973 A 20041012

Patent Details

Patent Number	Kind	Lan	Pgs	Draw	Filing Notes	
US 20050108197	A1	EN	25	11	Related to Provisional	US 2001274988
					Continuation of application	US 2002683982
					Continuation of patent	US 6804679

**Alerting Abstract US A1**

**NOVELTY** - Data manager comprising database generator for receiving a selection of existing or new database for publishing probe array results, where a results-for-publication identifier identifies set(s) of probe array results, a publisher publishes the set of probe array results as a first set of data and the set(s) of probe array results is in a first format and the first set of data is in a second format, is new.

**DESCRIPTION** - Data manager comprises database generator for receiving a selection of existing or new databases for publishing probe array results, where the selection includes an existing or a new database. The results-for-publication identifier identifies set(s) of probe array results for publishing in the selected database. A publisher publishes the set of probe array results as a first set of data in the selected database and the set(s) of probe array results is in a first format and the first set of data is in a second format.

**INDEPENDENT CLAIMS** are also included for:

1. publishing probe array results to a selected database comprising receiving the selection of the database for publishing probe array results, identifying set(s) of probe array results for publishing in the selected database,

- and publishing the set of probe array results as the first set of data in the selected database; and
2. computer program product for providing a published database comprising a computer usable medium storing control logic that when executed on a computer system performs the method for publishing probe array result to the selected database.

**USE** - For publishing probe array results to a selected database (claimed).

**ADVANTAGE** - The inventive data manager provides formatting operations and other data management functions. It accesses, analyzes, and manages the vast amount of information collected using nucleic acid probe arrays.

**DESCRIPTION OF DRAWINGS** - The figure is a functional block diagram of a user computer that optionally may be part of the computer network system or may operate in stand-alone mode.

**Title Terms /Index Terms/Additional Words:** DATA; MANAGE; PUBLICATION; PROBE; ARRAY; RESULT; SELECT; DATABASE; COMPRISE; GENERATOR; RECEIVE; EXIST; NEW; IDENTIFY; SET

**Class Codes**

International Patent Classification

IPC	Class Level	Scope	Position	Status	Version Date
G06F-007/00			Main		"Version 7"

US Classification, Issued: 707001000

File Segment: CPI; EPI

DWPI Class: B04; T01

Manual Codes (EPI/S-X): T01-J05B4P; T01-S03

Manual Codes (CPI/A-N): B11-C11

8/5/3 (Item 3 from file: 350) [Links](#)

Derwent WPIX

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0014020447 *Drawing available*

WPI Acc no: 2004-202131/200419

XRPX Acc No: N2004-160668

**Automatic bill-of-material production system for semiconductor product, automatically prepares bill-of-materials using prepared graphical data for block of mask component number, to satisfy customer deliverable order**

Patent Assignee: INT BUSINESS MACHINES CORP (IBMC)

Inventor: BALLAS D F; BICKFORD J P S; MAHEUX T R; MCLAUGHLIN P G; POULIN D L

Patent Family ( 2 patents, 1 countries )

Patent Number	Kind	Date	Application Number	Kind	Date	Update	Type
US 20040019538	A1	20040129	US 200264539	A	20020725	200419	B
US 6850904	B2	20050201	US 200264539	A	20020725	200511	E

Priority Applications (no., kind, date): US 200264539 A 20020725

Patent Details

Patent Number	Kind	Lan	Pgs	Draw	Filing Notes
US 20040019538	A1	EN	18	7	

**Alerting Abstract US A1**

NOVELTY - A relational database tool (108) automatically prepares the bill-of-materials (BOM) using prepared graphical data for block of mask component numbers, to satisfy the customer deliverable order for a semiconductor product. The graphical data is provided by a data preparation tool.

DESCRIPTION - INDEPENDENT CLAIMS are also included for the following:

1. method of automatically producing BOM for semiconductor mask; and
2. BOM preparation program storage device.

USE - For producing bill-of-material (BOM) of semiconductor product such as semiconductor chip.

ADVANTAGE - The system provides capability to plan the capacity for manufacturing sub-components before the components are developed. Predicts the cost of the mask, cost of the product and altering the aspects of the product with changes to the mask design.

DESCRIPTION OF DRAWINGS - The figure shows the block diagram of the automatic bill-of-material production system.

102 ordering system

104 product manager tool

108 relational database tool

110 manufacturing panning engine  
114 forecast tool

**Title Terms** /Index Terms/Additional Words: AUTOMATIC; BILL; MATERIAL; PRODUCE; SYSTEM; SEMICONDUCTOR; PRODUCT; PREPARATION; GRAPHICAL; DATA; BLOCK; MASK; COMPONENT; NUMBER; SATISFY; CUSTOMER; DELIVER; ORDER

**Class Codes**

International Patent Classification

IPC	Class Level	Scope	Position	Status	Version Date
G06F-017/60			Main		"Version 7"

US Classification, Issued: 705029000, 705029000

File Segment: EPI;  
DWPI Class: T01; U11  
Manual Codes (EPI/S-X): T01-J05A1; T01-J05A2A; T01-J05A2B; T01-J05B4B; U11-C15C

8/5K/4 (Item 4 from file: 348) [Links](#)

EUROPEAN PATENTS

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01445795

**Information storage and retrieval system for storing and retrieving the visual form of information from an application in a database**

System zum Abspeichern und Wiederauffinden der visuellen Form von Information aus einer Anwendung in einer Datenbank

Système de stockage et de récupération dans une base de données d'informations sous forme visuelle venant d'une application

**Patent Assignee:**

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(Applicant designated States: all)

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**Legal Representative:**

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Patentanwalte Freischem An Gross St. Martin 2; 50667 Köln; (DE)

	Country	Number	Kind	Date	
Patent	EP	1235162	A2	20020828	(Basic)
Application	EP	2002012251		19990128	
Priorities	US	73701	P	19980204	
	US	213019		19981216	

**Designated States:**

AT; BE; CH; DE; DK; ES; FI; FR; GB; IE;



IT; LI; LU; NL; SE;

**Related Parent Numbers: Patent (Application):**EP 1051685 (EP 99905502)

**International Patent Class (V7):** G06F-017/30; G06F-009/44; G06F-017/30... ..G06F-009/44**Abstract EP**  
1235162 A2

The visual form of data from a computer program is received and stored in a database. The visual form of the data may be received, for example, in response to a print operation by the computer program or by some other operation such as a cut and paste sequence of operations or by sending the data to another application. The visual form of the data may be stored as a vector image that permits scalability. The visual form of the data may be stored with other identifying information or tags in the database to facilitate searching of the database. The data in the database may be encoded in a manner that ensures data integrity and that permits detection of when data has been compromised. In one embodiment, a service layer application is provided to control access to the database by performing encoding and decoding of the data in the database. The service layer may have an application programming interface that permits many applications to have access to the database. Another application may be provided for accessing the visual form of the data from the database and for providing this data to another computer program. Such an application permits a user to create compound documents from data in the database using the other computer program.

**Abstract Word Count:** 215

**NOTE:** 1

**NOTE: Figure number on first page:** 1

Type	Pub. Date	Kind	Text
Application:	20020828	A2	Published application without search report
Change:	20021120	A2	Inventor information changed: 20020927

Publication: English

Procedural: English

Application: English

Available Text	Language	Update	Word Count
CLAIMS A	(English)	200235	2224
SPEC A	(English)	200235	12628
Total Word Count (Document A) 14852			
Total Word Count (Document B) 0			
Total Word Count (All Documents) 14852			

**Specification:** ...executed by the operating system 54 of the general purpose computer. Example kinds of applications include, but are not limited to, laboratory equipment control and **data analysis programs**, word processing programs, graphics programs and spreadsheet programs.

The database 64 may be any kind of database, including a **relational database**, object-oriented database, unstructured database or other database. Example **relational databases** include Oracle 8i from Oracle Corporation of Redwood City, California, Informix Dynamic Server from Informix Software, Inc. of Menlo Park, California, DB2 from International Business...

8/5K/5 (Item 5 from file: 348) [Links](#)

EUROPEAN PATENTS

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01079826

**INFORMATION STORAGE AND RETRIEVAL SYSTEM FOR STORING AND RETRIEVING THE VISUAL FORM OF INFORMATION FROM AN APPLICATION IN A DATABASE**

SYSTEM ZUM SPEICHERN DER VISUELLEN FORM VON INFORMATION AUS EINER ANWENDUNG IN EINE DATENBANK UND ZUM WIEDERAUFFINDEN

SYSTEME DE STOCKAGE ET DE RECUPERATION D'INFORMATIONS SOUS FORME VISUELLE A PARTIR D'UNE APPLICATION PRESENTE DANS UNE BASE DE DONNEES

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	Country	Number	Kind	Date	
Patent	EP	1051685	A2	20001115	(Basic)
	EP	1051685	B1	20021113	
	WO	99040525		19990812	
Application	EP	99905502		19990128	
	WO	99US1785		19990128	

Priorities	US	73701	P	19980204	
	US	213019		19981216	

**Designated States:**

AT; BE; CH; DE; DK; ES; FI; FR; GB; IE;  
IT; LI; LU; NL; SE;

**Related Divisions: Patent (Application):**EP 1235162 (EP 2002012251)

**International Patent Class (V7):** G06F-017/30; G06F-017/30**CITED PATENTS: (EP B)**

US 5231578 A; **CITED PATENTS: (WO A)**

XP 2106898 ; XP 540436 ; XP 2106899 ;

**NOTE:** No A-document published by EPO

Type	Pub. Date	Kind	Text
Application:	20001115	A2	Published application without search report
Application:	19991013	A2	International application. (Art. 158(1))
Lapse:	20040922	B1	Date of lapse of European Patent in a contracting state (Country, date): AT 20021113, BE 20021113, ES 20030529, FI 20021113, IE 20030128, LU 20030128, NL 20021113, SE 20030213,
Lapse:	20040407	B1	Date of lapse of European Patent in a contracting state (Country, date): AT 20021113, BE 20021113, ES 20030529, FI 20021113, IE 20030128, NL 20021113, SE 20030213,
Lapse:	20031217	B1	Date of lapse of European Patent in a contracting state (Country, date): AT 20021113, BE 20021113, FI 20021113, NL 20021113, SE 20030213,
Change:	20031015	B1	Opponent changed 20030828
Oppn Change:	20031015	B1	Opposition 01/20030813 Admissible opposition Creon Lab Control AG (153510) Europaallee 27-29 50226 Frechen DE(Representative:)Hossle, Markus, Dipl.-Phys. (84166) Hossle Kudlek & Partner Postfach 10 23 38 70019 Stuttgart (DE)
Lapse:	20030910	B1	Date of lapse of European Patent in a contracting state (Country, date): AT 20021113, NL 20021113, SE 20030213,
Lapse:	20030507	B1	Date of lapse of European Patent in a contracting state (Country, date): SE 20030213,
Change:	20020731	A2	Application number of divisional application (Article 76) changed: 20020607
Assignee:	20020123	A2	Transfer of rights to new applicant: Nugenesis Technologie (3383190) 1900 West Park Drive Westborough, MA 01581 US
Examination:	20010627	A2	Date of dispatch of the first examination report: 20010514
Change:	20001206	A2	Inventor information changed: 20001020
Examination:	20001115	A2	Date of request for examination: 20000904

Change:	20001220	A2	Inventor information changed: 20001101
Change:	20020109	A2	Legal representative(s) changed 20011122
Assignee:	20020403	A2	Transfer of rights to new applicant: NuGenesis Technologies Corporation (3383191) 1900 West Park Drive Westborough, MA 01581 US
Change:	20021113	A2	Inventor information changed: 20020925
Grant:	20021113	B1	Granted patent
Lapse:	20030723	B1	Date of lapse of European Patent in a contracting state (Country, date): NL 20021113, SE 20030213,
Oppn:	20031008	B1	Opposition 01/20030813 Opposition filed Creon Lab Control AG (153510) Europaallee 27-29 50226 Frechen DE(Representative:)Hossle, Markus, Dipl.-Phys. (84164) Hossle Kudlek & Partner Diemershaldenstrasse 23 70184 Stuttgart (DE)
Lapse:	20031022	B1	Date of lapse of European Patent in a contracting state (Country, date): AT 20021113, FI 20021113, NL 20021113, SE 20030213,
Lapse:	20040128	B1	Date of lapse of European Patent in a contracting state (Country, date): AT 20021113, BE 20021113, ES 20030529, FI 20021113, NL 20021113, SE 20030213,
Oppn:	20040609	B1	Opposition 01/20030813 Opposition (change) Creon Lab Control AG (153510) Europaallee 27-29 50226 Frechen DE(Representative:)Hossle, Markus, Dipl.-Phys. (84166) Hossle Kudlek & Partner Patentanwalte Postfach 10 23 38 70019 Stuttgart (DE)
Application:	19991013	A2	International application entering European phase

Publication: English

Procedural: English

Application: English

Available Text	Language	Update	Word Count
CLAIMS B	(English)	200246	889
CLAIMS B	(German)	200246	858
CLAIMS B	(French)	200246	974
SPEC B	(English)	200246	12311
Total Word Count (Document A) 0			
Total Word Count (Document B) 15032			
Total Word Count (All Documents) 15032			

**Specification:** ...executed by the operating system 54 of the general purpose computer. Example kinds of applications include, but are not limited to, laboratory equipment control and **data analysis programs**, word processing programs, graphics programs and spreadsheet programs.

The database 64 may be any kind of database, including a **relational database**, object-oriented database, unstructured database or other database. Example **relational databases** include Oracle 8i from Oracle Corporation

of Redwood City, California, Informix Dynamic Server from Informix

8/5K/7 (Item 7 from file: 349) [Links](#)

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01178716

**METHOD AND SYSTEM FOR SCENARIO AND CASE DECISION MANAGEMENT**

**PROCEDE ET SYSTEME DE GESTION DE DECISIONS DE CAS ET DE SCENARIOS**

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MEYERTONS, HOOD, KIVLIN, KOWERT & GOETZEL, P.C., P.O. Box 398, Austin, TX 78767-0398; US;

	Country	Number	Kind	Date
Patent	WO	2004100040	A1	20041118
Application	WO	2004US13371		20040428
Priorities	US	2003466621		20030430
	US	2003653829		20030903

**Designated States:** (All protection types applied unless otherwise stated - for applications 2004+)

AE; AG; AL; AM; AT; AU; AZ; BA; BB; BG;  
BR; BW; BY; BZ; CA; CH; CN; CO; CR; CU;  
CZ; DE; DK; DM; DZ; EC; EE; EG; ES; FI;  
GB; GD; GE; GH; GM; HR; HU; ID; IL; IN;  
IS; JP; KE; KG; KP; KR; KZ; LC; LK; LR;  
LS; LT; LU; LV; MA; MD; MG; MK; MN; MW;  
MX; MZ; NA; NI; NO; NZ; OM; PG; PH; PL;  
PT; RO; RU; SC; SD; SE; SG; SK; SL; SY;  
TJ; TM; TN; TR; TT; TZ; UA; UG; US; UZ;  
VC; VN; YU; ZA; ZM; ZW;

[EP] AT; BE; BG; CH; CY; CZ; DE; DK; EE; ES;  
FI; FR; GB; GR; HU; IE; IT; LU; MC; NL;  
PL; PT; RO; SE; SI; SK; TR;

[OA] BF; BJ; CF; CG; CI; CM; GA; GN; GQ; GW;  
ML; MR; NE; SN; TD; TG;

[AP] BW; GH; GM; KE; LS; MW; MZ; NA; SD; SL;  
SZ; TZ; UG; ZM; ZW;

[EA] AM; AZ; BY; KG; KZ; MD; RU; TJ; TM;

**Main International Patent Classes (Version 7):**

IPC	Level
G06F-017/60	Main
G06F-017/60	Main

Publication Language: English

Filing Language: English

Fulltext word count: 18544

**English Abstract:**

A system and method may be configured to support the evaluation of the economic impact of uncertainties associated with the planning of a petroleum production project, e.g., uncertainties associated with decisions having multiple possible outcomes and uncertainties associated with uncontrollable parameters such as rock properties, oil prices, etc. The system and method involve receiving user input characterizing the uncertainty of planning variables and performing an iterative simulation that computes the economic return for various possible instantiations of the set of planning variables based on the uncertainty characterization. The system and method may (a) utilize and integrate highly rigorous physical reservoir, well, production flow, and economic models, and (b) provide a mechanism for specifying constraints on the planning variables. Furthermore, the system and method may provide a case manager process for managing multiple cases and associated "experimental runs" on the cases.

**French Abstract:**

Selon cette invention, un systeme et un procede peuvent etre concus pour soutenir l'evaluation de l'impact economique d'incertitudes associees a la planification d'un projet de production de petrole, telles que des

incertitudes associees a des decisions donnant de multiples resultats possibles et des incertitudes associees a des parametres incontrolables tels que les proprietes des roches ou les prix du petrole. Le systeme et le procede de cette invention impliquent la reception d'une entree utilisateur caracterisant l'incertitude de variables de planification et l'execution d'une simulation iterative permettant de calculer le rendement economique pour diverses instanciations possibles de l'ensemble de variables de planification en fonction de la caracterisation des incertitudes. Le systeme et le procede de cette invention peuvent (a) utiliser et integrer des modeles hautement rigoureux de reservoirs physiques, de puits, de flux de production et economiques et (b) mettre en oeuvre un mecanisme permettant de specifier des contraintes exercees sur les variables de planification. En outre, le systeme et le procede de cette invention peuvent generer un processus de gestion de cas permettant de gerer de multiples cas ainsi que les "phases experimentales" correspondantes relatives aux cas.

Type	Pub. Date	Kind	Text
Publication	20041118	A1	With international search report.
Publication	20041118	A1	Before the expiration of the time limit for amending the claims and to be republished in the event of the receipt of amendments.

#### Detailed Description:

...stores. the iteration data set in memory. The data manager may arrange the data of the iteration data set for storage in a columnar or **relational data base** access format such as Open DataBase Connectivity (ODBC) format or Java DataBase Connectivity (JDBQ format).

The data manager enables many commonly available graphical and **data analysis applications** access to the relational data. In various embodiments the output data comprise oil, gas, and water production or injection rates and pressures over time from...

8/5K/8 (Item 8 from file: 349) [Links](#)

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01178028

#### STOCHASTICALLY GENERATING FACILITY AND WELL SCHEDULES

PROCEDE POUR REALISER DE MANIERE STOCHASTIQUE DES PLANIFICATIONS RELATIVES A DES INSTALLATIONS ET A DES PUITES

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(For all designated states except: US)
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(Designated only for: US)
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**Legal Representative:**

- **MEYERTONS HOOD KIVLIN KOWERT & GOETZEL P C(agent)**  
HOOD, Jeffrey C., P.O. Box 398, Austin, Texas 78767-0398; US;

	Country	Number	Kind	Date
Patent	WO	200499917	A2-A3	20041118
Application	WO	2004US13420		20040430
Priorities	US	2003466582		20030430

**Designated States:** (All protection types applied unless otherwise stated - for applications 2004+)

AE; AG; AL; AM; AT; AU; AZ; BA; BB; BG;  
BR; BW; BY; BZ; CA; CH; CN; CO; CR; CU;  
CZ; DE; DK; DM; DZ; EC; EE; EG; ES; FI;  
GB; GD; GE; GH; GM; HR; HU; ID; IL; IN;  
IS; JP; KE; KG; KP; KR; KZ; LC; LK; LR;  
LS; LT; LU; LV; MA; MD; MG; MK; MN; MW;  
MX; MZ; NA; NI; NO; NZ; OM; PG; PH; PL;  
PT; RO; RU; SC; SD; SE; SG; SK; SL; SY;  
TJ; TM; TN; TR; TT; TZ; UA; UG; US; UZ;  
VC; VN; YU; ZA; ZM; ZW;

[EP] AT; BE; BG; CH; CY; CZ; DE; DK; EE; ES;  
FI; FR; GB; GR; HU; IE; IT; LU; MC; NL;  
PL; PT; RO; SE; SI; SK; TR;

[OA] BF; BJ; CF; CG; CI; CM; GA; GN; GQ; GW;  
ML; MR; NE; SN; TD; TG;

[AP] BW; GH; GM; KE; LS; MW; MZ; NA; SD; SL;  
SZ; TZ; UG; ZM; ZW;

[EA] AM; AZ; BY; KG; KZ; MD; RU; TJ; TM;

**Main International Patent Classes (Version 7):**

IPC	Level
G06F-017/60	Main
G06F-017/60	Main



Publication Language: English

Filing Language: English

Fulltext word count: 22819

#### English Abstract:

A system comprising a memory and a processor. The memory is configured to store data and program instructions for a processing method. The processor is configured to read the program instructions from the memory. In response to execution of the program instructions, the processor is operable to: (a) instantiate one or more well process times associated with a first schedule; (b) instantiate a facility establishment time associated with first schedule; (c) instantiate zero or more dependency delays associated with the first schedule; (d) resolve event dates in the first schedule based on resolved event dates in one or more other schedules, the one or more instantiated well process times, the instantiated facility establishment time, and the instantiated dependency delays; (e) compute costs for facility establishment and well processes (e.g., well drilling and well completion) using the resolved event dates.

#### French Abstract:

L'invention concerne un systeme comprenant une memoire et un processeur. La memoire est configuree de facon a stocker des donnees et des instructions de programme pour un procede de traitement. Le processeur est configure de facon a extraire les instructions de programmes contenues dans la memoire. En reponse a l'execution des instructions de programme, le processeur peut: (a) instancier un ou plusieurs temps d'operations de forage associes a une premiere planification; (b) instancier un temps de mise en place d'installation associe a une premiere planification; (c) instancier les retards, non lies a une dependance ou lies a au moins une dependance, associes a la premiere planification; (d) resoudre les dates d'evenements dans la premiere planification, sur la base des dates d'evenements resolues dans au moins une autre planification, sur la base du ou des temps instancies d'operations de forage, des temps instancies de mise en place d'installation, et des retards instancies lies a une dependance; (e) calculer les couts pour la mise en place de l'installation et pour les operations de forage (par exemple l'achevement du forage et du puits) au moyen des dates d'evenements resolues.

Type	Pub. Date	Kind	Text
Publication	20041118	A2	Without international search report and to be republished upon receipt of that report.
Search Rpt	20050929		Late publication of international search report
Republication	20050929	A3	With international search report.
Republication	20050929	A3	Before the expiration of the time limit for amending the claims and to be republished in the event of the receipt of amendments.

#### Detailed Description:

...stores the iteration data set in memory. The data manager may arrange the data of the iteration data set for storage in a columnar or **relational data base** access format such as Open DataBase Connectivity (ODBC format or Java DataBase Connectivity (JDBC format).

The data manager enables many commonly available graphical and **data analysis applications** access to the relational data. In various embodiments the output data comprise oil, gas, and water production or injection rates and pressures over time from...

8/5K/9 (Item 9 from file: 349) [Links](#)

PCT FULLTEXT

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01131401

**A SYSTEM AND METHOD FOR INTER-RELATING MULTIPLE DATA TYPES**

**SYSTEME ET PROCEDE D'INTERCONNEXION DE MULTIPLES TYPES DE DONNEES**

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(Designated only for: US)
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(Designated only for: US)
- **HERRON Marjory Beth**; 105 Jonathan Drive, North Wales, PA 19454  
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- **DEWITT Steven L**; 170 Cotton Street, #207, Philadelphia, PA 19127  
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	Country	Number	Kind	Date
Patent	WO	200453763	A1	20040624
Application	WO	2002US39248		20021206
Priorities	WO	2002US39248		20021206

**Designated States:** (All protection types applied unless otherwise stated - for applications 2004+)

[EP] AT; BE; BG; CH; CY; CZ; DE; DK; EE; ES;  
FI; FR; GB; GR; IE; IT; LU; MC; NL; PT;  
SE; SI; SK; TR;

[OA] BF; BJ; CF; CG; CI; CM; GA; GN; GQ; GW;  
ML; MR; NE; SN; TD; TG;

[AP] GH; GM; KE; LS; MW; MZ; SD; SL; SZ; TZ;  
UG; ZM; ZW;

[EA] AM; AZ; BY; KG; KZ; MD; RU; TJ; TM;

**Main International Patent Classes (Version 7):**

IPC	Level
G06F-017/60	Main
G06F-017/60	Main

Publication Language: English

Filing Language: English

Fulltext word count: 4028

**English Abstract:**

A system and method of inter-relating multiple data types to provide a comprehensive data output reflecting non-retail sales of pharmaceuticals is disclosed. In particular, the system and method of the present invention provides for receiving non-retail pharmaceutical delivery information of pharmaceuticals deliver to outlets from manufacturers or distributors, where the data is primarily inconsistent and features many voids (102, 104, 202-204). The present invention inter-relates one or more reference datum from other sources (402-412) in a cross relational manner to ensure that voided fields in the pharmaceutical deliver information are populated and/or verified (414). The present invention also provides means to configure pre-defined queries of the data extract for efficient service of reports for clients (416).

**French Abstract:**

L'invention concerne un systeme et un procede d'interconnexion de multiples types de donnees, pour fournir une sortie de donnees exhaustives, refletant des ventes autres que des ventes au detail de produits pharmaceutiques. Ledit systeme et ledit procede permettant notamment de recevoir des informations sur la fourniture de ventes autres que des ventes au detail de produits pharmaceutiques fournis a des points de vente de fabricants ou de distributeurs, ou les donnees sont essentiellement inconsistantes et presentent de nombreuses lacunes (102, 104, 202 - 204). L'invention permet l'interconnexion d'une ou de plusieurs donnees de reference provenant d'autres sources (402 - 412), par intercorrelation, afin de garantir que des domaines presentant des lacunes en termes de donnees de fourniture de produits pharmaceutiques soient completes et/ou verifiees (414). L'invention concerne egalement des moyens permettant de configurer des demandes predefinis, d'extraction de donnees, pour parvenir a un service efficace des rapports presentes aux clients (416).

Type	Pub. Date	Kind	Text
Publication	20040624	A1	With international search report.

**Detailed Description:**

...and windows web servers. Software code encapsulating the functionality of the present inventive technique may be implemented on such computer systems, preferably written in COBOL, SAS, JCL, C, C++, Korn/Unix Shell, ASP, and/or Visual Basic.

Preferably data and the results of the data queries are stored in one or more **relational databases**, which provide resultant data to a graphical user interface ("GUI"), where the GUI features a presentation layer included therein. Further, the system and method of...

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00975282

**A METHOD AND SYSTEM FOR THE VISUAL PRESENTATION OF DATA MINING MODELS**

**PROCEDE ET SYSTEME DE PRESENTATION VISUELLE DE MODELES D'EXPLORATION DE DONNEES**

**Patent Applicant/Patent Assignee:**

- **ANGOSS SOFTWARE CORPORATION**; 34 St. Patrick Street, Suite 200, Toronto, Ontario M5T 1V1  
CA; CA(Residence); CA(Nationality)  
(For all designated states except: US)
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CA; CA(Residence); CA(Nationality)  
(Designated only for: US)
- **ONO Ken**; 34 St. Patrick Street, Suite 200, Toronto, Ontario M5T 1V1  
CA; CA(Residence); CA(Nationality)  
(Designated only for: US)

**Patent Applicant/Inventor:**

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- **ONO Ken**  
34 St. Patrick Street, Suite 200, Toronto, Ontario M5T 1V1; CA; CA(Residence); CA(Nationality); (Designated only for: US)

**Legal Representative:**

- **OGILVY RENAULT(agent)**  
Kevin Pillay, 1981 McGill College Avenue, Suite 1600, Montreal, Quebec H3A 2Y3; CA;

	Country	Number	Kind	Date
Patent	WO	200305232	A2-A3	20030116
Application	WO	2002CA1044		20020708
Priorities	US	2001303036		20010706

**Designated States:** (All protection types applied unless otherwise stated - for applications 2004+)

[EP] AT; BE; BG; CH; CY; CZ; DE; DK; EE; ES;  
FI; FR; GB; GR; IE; IT; LU; MC; NL; PT;  
SE; SK; TR;

[OA] BF; BJ; CF; CG; CI; CM; GA; GN; GQ; GW;  
ML; MR; NE; SN; TD; TG;

[AP] GH; GM; KE; LS; MW; MZ; SD; SL; SZ; TZ;

UG; ZM; ZW;

[EA] AM; AZ; BY; KG; KZ; MD; RU; TJ; TM;

**Main International Patent Classes (Version 7):**

IPC	Level
G06F-017/60	Main
G06F-017/60	Main
G06N-005/02	

Publication Language: English

Filing Language: English

Fulltext word count: 10513

**English Abstract:**

A method for delivering presentations associated with data mining models. The method includes the steps of: a) storing the data mining models and the presentations in a repository in a data mining system; b) associating ones of the data mining models with ones of the presentations through references within ones of the presentations; c) receiving a request from a user for a presentation; d) processing the request to determine an appropriate presentation corresponding to the request; the request including a customer identification; the request including an event identification; and, e) delivering the appropriate presentation to the user.

**French Abstract:**

L'invention concerne un procede permettant de fournir des presentations associees a des modeles d'exploration de donnees. Le procede comprend les etapes consistant: a) a stocker les modeles d'exploration de donnees et les presentations dans un referentiel contenu dans un systeme d'exploration de donnees; b) a associer l'un des modeles d'exploration de donnees avec l'une des presentations par l'intermediaire de references contenues dans certaines presentations; c) a recevoir une demande de presentation emanant d'un utilisateur; d) a traiter la demande de maniere a determiner une presentation appropriee correspondant a la demande; la demande comprenant une identification client et une identification d'evenement; et, e) a fournir la presentation appropriee a l'utilisateur.

Type	Pub. Date	Kind	Text
Publication	20030116	A2	Without international search report and to be republished upon receipt of that report.
Examination	20030403		Request for preliminary examination prior to end of 19th month from priority date
Search Rpt	20031127		Late publication of international search report
Republication	20031127	A3	With international search report.
Republication	20031127	A3	Before the expiration of the time limit for amending the claims and to be republished in the event of the receipt of amendments.

**Detailed Description:**

...the repository 220 a wide variety of data mining models 240 and scores 250 generated from data mining processes involving diverse

DM Tools (e.g. SAS Enterprise Miner, EBM Intelligent Miner, ANGOSS

KnowledgeSTUDIO), **RDBMS** Systems (e.g. Microsoft SQL Server 2000), and DM Applications.

In addition, the data mining system 200 may include the following: a web or application...

8/5K/11 (Item 11 from file: 349) [Links](#)

PCT FULLTEXT

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00934968

**SYSTEM AND METHOD FOR GENERATING AND MAINTAINING SOFTWARE CODE  
SYSTEME ET PROCEDE PERMETTANT DE CREER ET D'ENTREtenir UN CODE LOGICIEL**

**Patent Applicant/Patent Assignee:**

- **COMPLEMENTSOFT LLC**; 3930 N. Southport, Unit 3S, Chicago, IL 60613  
US; US(Residence); US(Nationality)

**Legal Representative:**

- **JAROSIK Gary R(et al)(agent)**  
Altheimer & Gray, 10 S. Wacker Drive, Suite 4000, Chicago, IL 60606; US;

	Country	Number	Kind	Date
Patent	WO	200269139	A2-A3	20020906
Application	WO	2002US3047		20020125
Priorities	US	2001270950		20010223
	US	2001293854		20010525
	US	2001992624		20011119

**Designated States:** (All protection types applied unless otherwise stated - for applications 2004+)

[EP] AT; BE; CH; CY; DE; DK; ES; FI; FR; GB;  
GR; IE; IT; LU; MC; NL; PT; SE; TR;

[OA] BF; BJ; CF; CG; CI; CM; GA; GN; GQ; GW;  
ML; MR; NE; SN; TD; TG;

[AP] GH; GM; KE; LS; MW; MZ; SD; SL; SZ; TZ;  
UG; ZM; ZW;

[EA] AM; AZ; BY; KG; KZ; MD; RU; TJ; TM;

**Main International Patent Classes (Version 7):**

IPC	Level
G06F-009/44	Main
G06F-009/44	Main

Publication Language: English

Filing Language: English

Fulltext word count: 11916

**English Abstract:**

An Integrated Development Environment having numerous cooperating modules which together provide a system and method for generating and maintaining software, in particular, the software for data development and data manipulation languages. Among other modules, the Integrated Development Environment includes a document manager for use in transparently retrieving related software files. Retrieved software files can be modified using an editor. The editing process may be enhanced through the use of a visualizer that allows the program flow and/or the data flow of the of the software files to be displayed.

**French Abstract:**

La presente invention concerne un environnement de developpement integre presentant plusieurs modules qui fonctionnent en cooperation et qui, ensemble, permettent d'obtenir un systeme et un procede de creation et d'entretien d'un logiciel, en particulier, du logiciel destine aux langages de manipulation et de developpement de donnees. Entre autres modules, l'environnement de developpement integre comprend un gestionnaire de documents pouvant etre utilise pour extraire, en toute transparence, des fichiers logiciels associes. Les fichiers logiciels extraits peuvent etre modifies a l'aide d'un editeur. Le processus d'edition peut etre ameliore grace a l'utilisation d'un dispositif de visualisation qui permet le deroulement du programme et/ou le flux des donnees des fichiers logiciels devant etre affichees.

Type	Pub. Date	Kind	Text
Publication	20020906	A2	Without international search report and to be republished upon receipt of that report.
Search Rpt	20040422		Late publication of international search report
Republication	20040422	A3	With international search report.

**Detailed Description:**

...discovery functions, including ad hoc SQLS queries. Ad hoc SQL& queries that are selected may be executed by the respective engine. These engines (e.g., SAS, DB2 UDB, or other RDBMS servers) can reside

II

locally on the user's workstation or remotely on the LAN/WAN and the results, once retrieved will be displayed...the fully instantiated macro, etc.

For parsing the code, the document manager 60 first determines the file type for a selected file, i.e. the SAS(&, SPSS, SQL(b, DB2 UDB(&, Oracle(& RDBMS etc.

After the file type for a selected portion of code is determined, the parser layer 140

24

deploys the corresponding file parser 142, e...



8/5K/12 (Item 12 from file: 349) [Links](#)

PCT FULLTEXT

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00891387

**METHOD FOR EXTRACTING AND STORING RECORDS OF DATA BACKUP ACTIVITY FROM A PLURALITY OF BACKUP DEVICES**

PROCEDE POUR EXTRAIRE ET STOCKER DES ENREGISTREMENTS D'UNE ACTIVITE DE SAUVEGARDE DE DONNEES A PARTIR DE PLUSIEURS DISPOSITIFS DE SAUVEGARDE

**Patent Applicant/Patent Assignee:**

- **BOCADA INC;** 3055 112th Avenue NE #202, Bellevue, WA 98004  
US; US(Residence); US(Nationality)

**Legal Representative:**

- **LOHSE Timothy W(agent)**  
Gray Cary Ware & Freidenrich LLP, 1755 Embarcadero Road, Palo Alto, CA 94303-3340; US;

	Country	Number	Kind	Date
Patent	WO	200225499	A1	20020328
Application	WO	2001US29435		20010919
Priorities	US	2000665267		20000919
	US	2000665269		20000919
	US	2000665270		20000919

**Designated States:** (All protection types applied unless otherwise stated - for applications 2004+)

[EP] AT; BE; CH; CY; DE; DK; ES; FI; FR; GB;  
GR; IE; IT; LU; MC; NL; PT; SE; TR;

[OA] BF; BJ; CF; CG; CI; CM; GA; GN; GQ; GW;  
ML; MR; NE; SN; TD; TG;

[AP] GH; GM; KE; LS; MW; MZ; SD; SL; SZ; TZ;  
UG; ZW;

[EA] AM; AZ; BY; KG; KZ; MD; RU; TJ; TM;

**Main International Patent Classes (Version 7):**

IPC	Level
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<b>G06F-017/30</b>	Main
<b>G06F-017/30</b>	Main

Publication Language: English

Filing Language: English

Fulltext word count: 9873

#### English Abstract:

A method and system for requesting, cross-referencing, extracting and storing records of data backup activity (s3) by using a software component that interfaces to a plurality of data backup software devices is disclosed. A method of storing automated request for records of data backup activity schedules (s6) is disclosed; invoking request through a component that interfaces to a plurality of data backup software devices; receiving records of data backup activity from said component; making alterations to said records of data backup activity and inserting subsets of said records of data backup activity into a table related to said central data table (s9).

#### French Abstract:

Cette invention se rapporte a un procede et a un systeme permettant de demander, de référencer par renvoi, d'extraire et de stocker des enregistrements d'une activite de sauvegarde de donnees (s3), en utilisant un composant logiciel qui etablit une interface avec plusieurs dispositifs logiciels de sauvegarde de donnees. Un tel procede consiste a stocker une demande automatisee adressee en vue d'obtenir des enregistrements de plans d'activite de sauvegarde de donnees (s6); a solliciter une telle demande par l'intermediaire d'un composant qui etablit une interface avec plusieurs dispositifs logiciels de sauvegarde de donnees; a recevoir les enregistrements de l'activite de sauvegarde de donnees en provenance de ce composant; a apporter des modifications a ces enregistrements d'activite de sauvegarde de donnees et a inserer des sous-ensembles de ces enregistrements d'activite de sauvegarde de donnees dans une table associee a la table de donnees centrale (s9).

Type	Pub. Date	Kind	Text
Publication	20020328	A1	With international search report.
Examination	20021219		Request for preliminary examination prior to end of 19th month from priority date

#### Detailed Description:

...Certain fields may be designated as "keys", which means that searches for specific values of that field will use indexing to speed them up.

#### Open Relational Database

An Open **Relational Database** is a **relational database** that is accessible using **data analysis tools** generally available on the market, for example, Crystal Reports@m. In this embodiment,

#### RDB

The term **RDB**, an acronym for **Relational Database**, is used throughout this document to represent the underlying source of data for reports described in this embodiment. The RDB contains historical records relating to..

8/5K/15 (Item 15 from file: 349) [Links](#)

PCT FULLTEXT

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00566579

**METHOD AND SYSTEM FOR INCREMENTAL BACKUP COPYING OF DATA**

PROCEDE ET APPAREIL PERMETTANT D'IDENTIFIER DES CHANGEMENTS APPORTES A UN OBJET LOGIQUE SUR LA BASE DE CHANGEMENTS APPORTES A CET OBJET LOGIQUE A UN NIVEAU PHYSIQUE

**Patent Applicant/Patent Assignee:**

- **EMC CORPORATION**; 171 South Street, Hopkinton, MA 01748-9103  
US; US(Residence); US(Nationality)

**Legal Representative:**

- **SKRIVANEK Robert A Jr(agent)**  
Wolf, Greenfield & Sacks, P.C., 600 Atlantic Avenue, Boston, MA 02210; US;

	Country	Number	Kind	Date
Patent	WO	200029952	A2-A3	20000525
Application	WO	99US27569		19991119
Priorities	US	98196651		19981119

**Designated States:** (All protection types applied unless otherwise stated - for applications 2004+)

**Main International Patent Classes (Version 7):**

IPC	Level
G06F-011/14	Main
G06F-011/14	Main

Publication Language: English

Filing Language: English

Fulltext word count: 22269

**English Abstract:**

A method and apparatus for identifying changes to a logical object on a host computer by examining information relating to a physical level in a data storage system wherein the logical object is stored. In one embodiment, a method for determining changes to a logical object subsequent to a reference time is described for a logical object that belongs to an application layer of a host computer in a computer system. The computer system includes the host computer, a storage system, and at least one mapping layer that maps the logical object to a physical layer relating to physical storage locations on the storage system. The physical layer includes physical change information relating to changes made to the physical storage locations on the storage system subsequent to the reference time. The method includes steps of mapping the logical object from the application layer to the physical layer to identify which physical storage locations include data corresponding to the logical object, examining the physical change information to identify any of the physical storage locations identified in the step of mapping that include data that has changed subsequent to the reference time, and determining that changes have been made to the logical object when any physical storage locations are identified in the step of examining as including data that has changed

subsequent to the reference time.

#### **French Abstract:**

L'invention concerne un procede et un appareil permettant d'identifier des changements apportés a un objet logique sur un ordinateur hôte en examinant des informations concernant un niveau physique dans un système de stockage de données dans lequel est stocké cet objet logique. Dans un mode de réalisation, l'invention concerne un procede permettant de déterminer des changements apportés a un objet logique suite a un temps de référence, ou ledit objet appartient a une couche application d'un système informatique hôte. Ce dernier comprend l'ordinateur hôte, un système de stockage et au moins une couche de mise en correspondance qui met l'objet logique en correspondance avec une couche physique se rapportant aux emplacements de stockage physique du système de stockage. Cette couche physique comprend des informations de changement physique se rapportant a des changements apportés a des emplacements de stockage physique du système de stockage suite a un temps de référence. Le procede selon l'invention consiste a mettre l'objet logique de la couche application en correspondance avec une couche physique afin d'identifier les emplacements de stockage physique comprenant des données correspondant a l'objet logique. Le procede consiste ensuite a examiner les informations de changement physique afin d'identifier tout emplacement de stockage physique identifié durant l'étape de mise en correspondance, comprenant des données qui ont changé suite au temps de référence. Le procede consiste enfin a vérifier que des changements ont été apportés a l'objet logique lorsqu'il a été déterminé, durant l'étape précédente, que n'importe quel emplacement de stockage physique comprend des données ayant changé suite au temps de référence.

Type	Pub. Date	Kind	Text
Correction	20020822		Corrected version of Pamphlet:
Search Rpt	20000803		Late publication of international search report
Republication	20020822	A3	With international search report.

#### **Detailed Description:**

...Applicants' invention facilitates a whole new paradigm in which information can be reported.

As known to those skilled in the art, data warehouses such as **relational databases**, variable sequential access method (VSAM) files, index sequential access method files (ISAM) files, and other data stores from companies such as ORACLE, INFORMIX, SYBASE, SAS, SAP, etc., are used in a wide variety of contexts from banking to health care. Each of these data warehouses, termed databases herein, can be...

8/5K/16 (Item 16 from file: 349) [Links](#)

PCT FULLTEXT

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00509173

**INFORMATION STORAGE AND RETRIEVAL SYSTEM FOR STORING AND RETRIEVING THE VISUAL FORM OF INFORMATION FROM AN APPLICATION IN A DATABASE**

**SYSTEME DE STOCKAGE ET DE RECUPERATION D'INFORMATIONS SOUS FORME VISUELLE A PARTIR D'UNE APPLICATION PRESENTE DANS UNE BASE DE DONNEES**

#### **Patent Applicant/Patent Assignee:**

- **MANTRA SOFTWARE CORPORATION;**

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	Country	Number	Kind	Date
Patent	WO	9940525	A2	19990812
Application	WO	99US1785		19990128
Priorities	US	9873701		19980204
	US	98213019		19981216

**Designated States:** (All protection types applied unless otherwise stated - for applications 2004+)

**Main International Patent Classes (Version 7):**

IPC	Level
G06F-017/30	Main
G06F-017/30	Main
G06F-009/44	
G06F-009/44	

Publication Language: English

Filing Language:

Fulltext word count: 14604

**English Abstract:**

The visual form of data from a computer program is received and stored in a database. The visual form of the data may be received, for example, in response to a print operation by the computer program or by some other operation such as a cut and paste sequence of operations or by sending the data to another application. The visual form of the data may be stored as a vector image that permits scalability. The visual form of the data may be stored with other identifying information or tags in the database to facilitate searching of the database. The data in the database may be encoded in a manner that ensures data integrity and that permits detection of when data has been compromised. In one embodiment, a service layer application is provided to control access to the database by performing encoding and decoding of the data in the database. The service layer may have an application programming interface that permits many applications to have access to the database. Another application may be provided for accessing the visual form of the data from the database and for providing this data to another computer program. Such an application permits a user to create compound documents from data in the database using the other computer program.

**French Abstract:**

La forme visuelle de donnees d'un programme informatique recue, puis enregistree dans une base de donnees, peut etre recue par exemple en reponse a une operation d'impression du programme informatique ou a une autre operation telle que par exemple un "coupe-colle" ou l'envoi de donnees a une autre application. La forme visuelle de donnees peut etre stockee sous forme d'image vectorielle dilatible, ou avec d'autres informations d'identification ou marqueurs dans la base de donnees pour y faciliter la recherche. Dans la base de donnees, les donnees peuvent etre codees de maniere a assurer leur integrite et permettre de detecter le moment ou elles ont ete alterees. Dans l'une des executions, une application de couche de service commande l'accès a la base de donnees par codage et decodage de ses donnees. La couche de service peut comporter une interface de programmation d'applications permettant a plusieurs applications d'avoir acces a la base de donnees. On peut prevoir une autre application donnant acces a la forme visuelle des donnees de la base de donnees et la transferant sur un autre programme informatique. Une telle

application permet a un utilisateur de creer a l'aide d'autres programmes informatiques des documents composes a partir de donnees de la base de donnees.

#### **Detailed Description:**

...executed by the operating system 54 of the general purpose computer. Example kinds of applications include, but are not limited to, laboratory equipment control and **data analysis programs**, word processing programs, graphics programs and spreadsheet programs.

The database 64 may be any kind of database, including a **relational database**, objectoriented database, unstructured database or other database. Example **relational databases** include Oracle 8i from Oracle Corporation of Redwood City, California, Informix Dynamic Server from Informix Software, Inc. of Menlo Park, California, DB2 from International Business...

8/5K/17 (Item 17 from file: 349) [Links](#)

PCT FULLTEXT

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00456628

**METHOD AND APPARATUS FOR STORING, RETRIEVING, AND PROCESSING**

**MULTI-DIMENSIONAL CUSTOMER-ORIENTED DATA SETS**

**PROCEDE ET DISPOSITIF DE STOCKAGE, D'EXTRACTION ET DE TRAITEMENT DE FICHIERS**

**MULTIDIMENSIONNELS ORIENTES CLIENT**

#### **Patent Applicant/Patent Assignee:**

- **HEDGCOCK Robert;**

;;

- **KEANE Timothy;**

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- **NAUGHTON Jeffrey;**

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	Country	Number	Kind	Date
Patent	WO	9847092	A1	19981022
Application	WO	98US7212		19980410
Priorities	US	9743597		19970415

**Designated States:** (All protection types applied unless otherwise stated - for applications 2004+)

#### **Main International Patent Classes (Version 7):**

IPC	Level
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<b>G06F</b>	Main
<b>G06F</b>	Main

Publication Language: English

Filing Language:

Fulltext word count: 8601

#### **English Abstract:**

Method and apparatus (10) having a plurality of cells in a first memory portion are arranged as a relational database for storing, retrieving and processing customer-oriented data sets and purchase history of customers. Requests for desired information inputted from input device (12) and previously stored instructions from memory (16a) are processed by processor (14). The information is then stored in memory (16b) and or displayed on display unit (18) or printed by printer (20).

#### **French Abstract:**

La presente invention concerne un procede et un dispositif (10) selon lesquels une pluralite de cellules dans une premiere partie de la memoire sont organisees en base de donnees relationnelle de facon a permettre de stocker, d'extraire et de traiter des fichiers orientes client et l'historique des achats des clients. Un processeur (14) effectue le traitement, d'une part des requetes, concernant des informations demandees et introduites a partir d'un peripherique d'entree (12), et d'autre part des instructions prealablement stockees provenant de la memoire (16a). Les informations sont alors stockees dans la memoire (16b) et/ou affichees sur un ecran (18) ou imprimees par une imprimante (20).

#### **Detailed Description:**

...may be represented in two-dimensional tables. Further, such models may be insufficient for many business intelligence applications. At best, a relational model of a **relational database** system may be used as a lower-level substrate upon which to build more sophisticated and useful model. (Relational multi-dimensional **data analysis tools** are examples.)

Therefore, neither **relational database** systems nor multi-dimensional OLAP tools may be effectively used for customer-oriented data analysis. In an attempt to handle such analysis, a special purpose...

8/5K/18 (Item 18 from file: 349) [Links](#)

PCT FULLTEXT

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00337262

**AN INTERACTIVE SYSTEM USING A GRAPHICAL INTERFACE FOR ASSISTING MEDICAL PROFESSIONALS IN THE DIAGNOSIS, TREATMENT AND MANAGEMENT OF SURGICAL AND TRAUMA PATIENTS**

**SYSTEME INTERACTIF A INTERFACE GRAPHIQUE POUR L'ASSISTANCE AU PERSONNEL MEDICAL EN VUE DU DIAGNOSTIC, DU TRAITEMENT ET DU SUIVI DE PATIENTS OPERES OU SOUFFRANT**

## D'UN TRAUMATISME

### Patent Applicant/Patent Assignee:

- UNIVERSITY OF MEDICINE AND DENTISTRY OF NEW JERSEY;

;;

	Country	Number	Kind	Date
Patent	WO	9619774	A1	19960627
Application	WO	95US16611		19951219
Priorities	US	94358891		19941219

**Designated States:** (All protection types applied unless otherwise stated - for applications 2004+)

### Main International Patent Classes (Version 7):

IPC	Level
G06F-019/00	Main
G06F-019/00	Main
G06F	
G06F	

Publication Language: English

Filing Language:

Fulltext word count: 10598

### English Abstract:

An interactive graphic computer methodology has been developed allowing a surgical resident or trauma surgeon to utilize a series of body images to record the location, type, complexity and physiology severity of trauma injuries via an interface device such as a mouse controller. The methodology incorporates, as a primary machine/human interface, a plurality of color graphic screens which share a common relational data base. Those graphic screen images include: (1) skin and superficial anatomy (for location of sites and types of injuries or burns), (2) skull, facial bones and CNS neurologic exam with automated calculation of GCS, (3) skeletal and joint anatomy (for orthopedic injuries), (4) spinal cord injury exam, (5) thoraco-abdominal viscera, (6) liver, pancreas and biliary tract, (7) retroperitoneal organs and structures, (8) vascular anatomy, (9) lung and tracheo bronchial tree. After data entry, injuries can be grouped for reporting and coding (i.e., fractures, organ injuries, lacerations, etc.). For specific types of injury, severity criteria are determined, therapeutic management guidelines estimated and state of the art therapeutic suggestions and cautions provided.

### French Abstract:

Procede informatique graphique interactif, permettant a un chirurgien de medecine ou de traumatologie d'utiliser une serie d'images anatomiques pour determiner l'emplacement, la nature, la complexite et la gravite de traumatismes a l'aide d'une interface, par exemple du type souris. Ce procede comporte, comme premiere interface homme/machine, une serie d'images couleur affichees partageant une base de donnees commune, lesdites images comprenant: (1) la peau et les tissus superficiels (pour localiser les emplacements et la nature des lésions ou des brulures), (2) le crane, les os du visage, l'examen neurologique du SNC comportant un calcul automatique de l'echelle de coma de Glasgow



(GCS), (3) l'anatomie du squelette et des articulations (pour les lésions orthopédiques), (4) l'examen de la moelle épinière, (5) les viscères thoraco-abdominaux, (6) les voies hépatiques, pancréatiques et biliaires, (7) les organes et structures rétro-péritonéales, (8) le système vasculaire, (9) les poumons et l'arbre trachéo-bronchique. Après introduction des données, les lésions peuvent être groupées en vue de leur enregistrement et de leur codage (par exemple: fractures, lésions aux organes, lacerations etc.) Pour certaines lésions spécifiques, le système détermine les critères de gravité, formule des directives de procédures thérapeutiques, et fournit des suggestions de thérapies ayant cours et des précautions à prendre.

#### **Detailed Description:**

...to the passenger compartment integrity.

Other such special use screens can also be readily created, since all of the alphanumeric data is resident in a **relational data base**. The multi-patient data base can also be migrated to one of the standard statistical data bases (e.g., SAS, SPSS) for statistical analysis.

#### **E. THERAPEUTIC ADVISORIES (Rx)**

A series of therapeutic advisories has been developed in conjunction with the system of the invention to...

13/5,K/1 (Item 1 from file: 350) [Links](#)

Derwent WPIX

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0015023412 *Drawing available*

WPI Acc no: 2005-371389/200538

XRPX Acc No: N2005-300467

**Data transfer method for data preparation program in data processing system, involves reading data from relational database table in relational database into temporary data set created based on user input**

Patent Assignee: INT BUSINESS MACHINES CORP (IBMC)

Inventor: ROLLINS J B

Patent Family ( 1 patents, 1 countries )

Patent Number	Kind	Date	Application Number	Kind	Date	Update	Type
US 20050102311	A1	20050512	US 2003706731	A	20031112	200538	B

Priority Applications (no., kind, date): US 2003706731 A 20031112

Patent Details

Patent Number	Kind	Lan	Pgs	Draw	Filing Notes
US 20050102311	A1	EN	12	7	

#### Alerting Abstract US A1

NOVELTY - The data from a relational database table in a relational database is read into a temporary data set created based on the user input. The read data is prepared for forming prepared data for analysis. The prepared is placed in a created database table for the relational database.

DESCRIPTION - INDEPENDENT CLAIMS are also included for the following:

1. data processing system; and
2. computer program product in computer readable medium in data preparation program for transferring data in data processing system.

USE - For data preparation program in data processing system.

ADVANTAGE - Minimizes number of steps involved in accessing data from relational database table to data preparation tool by eliminating need for user to write code to read and write output flat files by directly reading data from relation database table to data preparation tool for data preparation and saves time and effort needed by user to move data from database table to data preparation tool and allows data from different types of databases to be linked directly through use of ACCESS software interface.

DESCRIPTION OF DRAWINGS - The figure shows the flowchart explaining the process of direct linkage of a relational database table for data preparation.

**Title Terms /Index Terms/Additional Words:** DATA; TRANSFER; METHOD; PREPARATION; PROGRAM; PROCESS; SYSTEM; READ; RELATED; DATABASE; TABLE; TEMPORARY; SET; BASED; USER; INPUT

## Class Codes

### International Patent Classification

IPC	Class Level	Scope	Position	Status	Version Date
G06F-017/00			Main		"Version 7"

US Classification, Issued: 707102000

File Segment: EPI;

DWPI Class: T01

Manual Codes (EPI/S-X): T01-J05B2B; T01-J05B4B; T01-J05B4M; T01-S03

## Original Publication Data by Authority

### Original Abstracts:

A method, apparatus, and computer instructions for direct linkage of **relational** database table to a data preparation tool for data preparation. In a preferred embodiment, the mechanism of the present invention allows data to be read directly from one or more relational database tables to a **data preparation tool** into datasets without generating output flat files. Multiple datasets from different **relational database** table are merged into one dataset if more than one **relational database** table is read. Upon completion of necessary **data preparation** on the dataset by the **data preparation tool**, the present invention creates a new **relational database** table and loads resulting data from the prepared dataset into the new **relational database** table.

25/5K/1 (Item 1 from file: 348) [Links](#)

EUROPEAN PATENTS

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01039418

**ELECTRONIC-MAIL REMINDER FOR AN INTERNET TELEVISION PROGRAM GUIDE**

**ERINNERUNGSVORRICHTUNG FUR INTERNET-FERNSEHPROGRAMMFUHRER MITTELS**

**ELEKTRONISCHER POST**

**NOTE DE RAPPEL PAR COURRIER ELECTRONIQUE POUR UN PROGRAMME INTERNET D'EMISSIONS  
DE TELEVISION**

**Patent Assignee:**

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(Proprietor designated states: all)

**Inventor:**

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1801 South Butternut Avenue; Broken Arrow, OK 74012; (US)

**Legal Representative:**

- **Hale, Peter et al (60281)**  
Kilburn & Strode 20 Red Lion Street; London WC1R 4PJ; (GB)

	Country	Number	Kind	Date	
Patent	EP	1008260	A1	20000614	(Basic)
	EP	1008260	B1	20020515	
	WO	9914947		19990325	
Application	EP	98940972		19980819	
	WO	98US17125		19980819	
Priorities	US	938028		19970918	
	US	987740		19971209	

**Designated States:**

AT; BE; CH; CY; DE; DK; ES; FI; FR; GB;  
GR; IE; IT; LI; LU; MC; NL; PT; SE;

**International Patent Class (V7): H04N-005/445CITED PATENTS: (EP B)**

**WO 96/24213 A; WO 96/34491 A; WO 97/02701 A; CITED PATENTS: (WO A)**

WO 9702701 A ; WO 9634491 A ; WO 9624213 A ;

**NOTE:** No A-document published by EPO

Type	Pub. Date	Kind	Text
Application:	20000614	A1	Published application with search report
Application:	19990609	A1	International application (Art. 158(1))
Lapse:	20050105	B1	Date of lapse of European Patent in a contracting state (Country, date): AT 20020515, CY 20020831, DK 20020815, FI 20020515, GR 20020816, IE 20020819, LU 20020819, PT 20020816, SE 20020815,
Lapse:	20040922	B1	Date of lapse of European Patent in a contracting state (Country, date): AT 20020515, CY 20020831, DK 20020815, IE 20020819, LU 20020819, PT 20020816, SE 20020815,
Lapse:	20040929	B1	Date of lapse of European Patent in a contracting state (Country, date): AT 20020515, CY 20020831, DK 20020815, FI 20020515, IE 20020819, LU 20020819, PT 20020816, SE 20020815,
Lapse:	20040303	B1	Date of lapse of European Patent in a contracting state (Country, date): AT 20020515, CY 20020831, DK 20020815, IE 20020819, PT 20020816, SE 20020815,
Lapse:	20031015	B1	Date of lapse of European Patent in a contracting state (Country, date): AT 20020515, IE 20020819, PT 20020816, SE 20020815,
Oppn None:	20030507	B1	No opposition filed: 20030218
Lapse:	20021113	B1	Date of lapse of European Patent in a contracting state (Country, date): SE 20020815,
Change:	20010829	A1	Legal representative(s) changed 20010711
Change:	20010613	A1	Title of invention (German) changed: 20010425
Examination:	20000614	A1	Date of request for examination: 20000407
Change:	20010530	A1	Title of invention (German) changed: 20010412
Examination:	20010620	A1	Date of dispatch of the first examination report: 20010510
Grant:	20020515	B1	Granted patent
Lapse:	20030305	B1	Date of lapse of European Patent in a contracting state (Country, date): AT 20020515, SE 20020815,
Lapse:	20030521	B1	Date of lapse of European Patent in a contracting state (Country, date): AT 20020515, PT 20020816, SE 20020815,
Lapse:	20031112	B1	Date of lapse of European Patent in a contracting state (Country, date): AT 20020515, DK 20020815, IE 20020819, PT 20020816, SE 20020815,
Lapse:	20040922	B1	Date of lapse of European Patent in a contracting state (Country, date): AT 20020515, CY 20020831, DK 20020815, IE 20020819, LU 20020819, PT 20020816, SE 20020815,
Lapse:	20040929	B1	Date of lapse of European Patent in a contracting state (Country, date): AT 20020515, CY 20020831, DK 20020815, FI 20020515, IE 20020819, LU 20020819, PT 20020816, SE

20020815,

Publication: English

Procedural: English

Application: English

Available Text	Language	Update	Word Count
CLAIMS B	(English)	200220	1846
CLAIMS B	(German)	200220	1639
CLAIMS B	(French)	200220	2019
SPEC B	(English)	200220	5363
Total Word Count (Document A) 0			
Total Word Count (Document B) 10867			
Total Word Count (All Documents) 10867			

**Specification:** ...server 14, network 18, and transmission server 16 make up computer system 19. Television program information may be stored on data server 14 in a **relational database** format and may be stored on transmission server 16 in an object-oriented database format. A building process may be used to periodically (e.g., once a day) build a **temporary data set** of television program information (e.g., a seven-day to one-month data set) for storage on transmission server 16. Transmission server 16 may receive...

25/5K/2 (Item 2 from file: 349) [Links](#)

PCT FULLTEXT

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00869152

**SYSTEM AND METHOD FOR SHARING DATA BETWEEN RELATIONAL AND HIERARCHICAL DATABASES**

SYSTEME ET PROCEDE DE PARTAGE DE DONNEES ENTRE DES BASES DE DONNEES  
RELATIONNELLES ET HIERARCHIQUES

**Patent Applicant/Patent Assignee:**

- **INFOGLIDE CORPORATION**; 11100 Metric Blvd., Suite 750, Austin, TX 78758  
US; US(Residence); US(Nationality)

**Legal Representative:**

- **RUSSELL Douglas D(agent)**  
Taylor Russell & Russell, P.C., 4807 Spicewood Springs Road, Building One, Suite 1200, Austin, TX 78759;  
US;

	Country	Number	Kind	Date
Patent	WO	200203237	A1	20020110
Application	WO	2001US41217		20010629
Priorities	US	2000214892		20000629
	US	2001681936		20010628

**Designated States:** (All protection types applied unless otherwise stated - for applications 2004+)

[EP] AT; BE; CH; CY; DE; DK; ES; FI; FR; GB;  
GR; IE; IT; LU; MC; NL; PT; SE; TR;

[OA] BF; BJ; CF; CG; CI; CM; GA; GN; GW; ML;  
MR; NE; SN; TD; TG;

[AP] GH; GM; KE; LS; MW; MZ; SD; SL; SZ; TZ;  
UG; ZW;

[EA] AM; AZ; BY; KG; KZ; MD; RU; TJ; TM;

**Main International Patent Classes (Version 7):**

IPC	Level
G06F-017/00	Main

Publication Language: English

Filing Language: English

Fulltext word count: 8991

**English Abstract:**

The present invention provides a computer-implemented system and method for transforming relational database information into a hierarchical data representation (100). It provides for data sharing between relational and hierarchical data structures without requiring the data to be remodeled to fit a common format or convention. While maintaining the relational data in original format, user may transform and associate the data with a structure compatible with another format definition. The present invention may use XML, HTML and SGML to structure a hierarchical data representation (100). Object-oriented formats may also be used to structure the data in an intermediary format for transformation into a hierarchical data structure (100).

**French Abstract:**

La presente invention concerne un systeme informatique et un procede servant a transformer des informations d'une base de donnees relationnelle en une representation de donnees hierarchique (100). Ceci permet le partage de donnees entre des structures de donnees relationnelles et hierarchiques sans avoir recours aux donnees a remodeler afin qu'elles s'adaptent a une convention ou a un format commun. Tandis qu'il garde les donnees relationnelles dans leur format d'origine, l'utilisateur peut transformer et associer les donnees a une structure compatible a une autre definition de format. Ledit systeme de cette invention peut utiliser XML, HTML et SGML afin de structurer une representation de donnees hierarchique (100). Ledit systeme peut utiliser des formats axes sur l'objet pour structurer les donnees dans un format intermediaire en vue de la transformation en une structure de donnees hierarchique (100).

Type	Pub. Date	Kind	Text
Publication	20020110	A1	With international search report.
Examination	20020620		Request for preliminary examination prior to end of 19th month from priority date

**Detailed Description:**

...entity structure. Through submitting a series of database conunand expressions where the datasets returned have applicable key structures, data can then be extracted from a **RDBMS 603** into a **temporary dataset** hierarchy, which can then be traversed and transformed into a hierarchical data entity.

Using this methodology, user addressable fields in each dataset 601, such as...



25/5K/3 (Item 3 from file: 349) [Links](#)

PCT FULLTEXT

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00579145

**PARALLELIZING APPLICATIONS OF SCRIPT-DRIVEN TOOLS**

PARALLELISATION D'APPLICATIONS D'OUTILS PILOTES PAR SCRIPT

**Patent Applicant/Patent Assignee:**

- **AB INITIO SOFTWARE CORPORATION;**

;;

	Country	Number	Kind	Date
Patent	WO	200042518	A1	20000720
Application	WO	2000US934		20000113
Priorities	US	99229849		19990113

**Designated States:** (All protection types applied unless otherwise stated - for applications 2004+)

**Main International Patent Classes (Version 7):**

IPC	Level
G06F-015/00	Main
G06F-015/62	
G06F-017/30	

Publication Language: English

Filing Language:

Fulltext word count: 18380

**English Abstract:**

A system and method for parallelizing applications of script-driven software tools. Scripts in the software tool scripting (1) language are automatically analyzed (2) in order to produce a specification for a parallel computation (3) plus a set of "script fragments", the combination of which is functionally equivalent to the original script. The computational specification plus the script fragments (4) are then executed by a parallel runtime system (5), which causes multiple instances of the original software tool (6) and/or supplemental programs (7) to be run as parallel processes. The resulting processes will read input data (8) and produce output data (9), performing the same computation as was specified by the original script. The combination of the analyzer (2), runtime (5), original software tool, and supplemental programs will, for a given script and input data, produce the same output data as the original software tool alone, but has the capability of using multiple processors in parallel for substantial improvements in overall "throughput". The invention includes computer program embodiments of an automatic script analyzer.

**French Abstract:**

Système et procédé permettant de paralléliser des applications d'outils logiciels pilotes par un script. Les scripts écrits dans le langage d'écriture de script (1) pour les outils logiciels sont automatiquement analysés (2) de façon à

produire une specification destinee a un calcul parallele (3) plus un ensemble de "fragments de script", dont la combinaison equivaut fonctionnellement au script original. La specification de calcul plus les fragments de script (4) sont ensuite executes par un systeme d'execution parallele (5), grace auquel de multiples instances de l'outil logiciel original (6) et/ou des programmes supplementaires (7) peuvent etre executes sous forme de processus paralleles. Les processus obtenus lisent les donnees d'entree (8) et produisent des donnees de sortie (9) en effectuant les memes calculs que ceux specifies par le script original. La combinaison de l'analyseur (2), du systeme d'execution (5), de l'outil logiciel original et des programmes supplementaires produisent, pour un script et des donnees d'entree identiques, les memes donnees de sortie que l'outil logiciel original seul, mais permet d'utiliser plusieurs processeurs en parallele, ce qui ameliore sensiblement le "rendement" general. L'invention concerne egalement les modes de realisation de programmes informatiques d'un analyseur de script automatique.

### Detailed Description:

...in the script.

OUTPUT datasetnamefilename

As above, but declares a dataset to be written by the application.

TEMP datasetnamefilename

0 As above, but declares a **temporary dataset** to be used within the application.

DB-1N datasetname tablename

Like the INPUT statement, but gets its data from a **relational database** table called tablename. The type of the data is determined by querying the database.

DB-OUT datasetname tablename

5 Like the OUTPUT statement, but sends...

Set Items Description

S1 298065 S RELATION?()(DATABASE? ? OR DATA()BASE? ? OR DB) OR RDB OR RDBMS OR DB2 OR (MS OR MICROSOFT)()(ACCESS OR EXCEL)  
S2 54813 S SAS (50N) (SOFTWARE OR APPLICATION? ? OR PROGRAM? ? OR ACCESS OR BASE)  
S3 203508 S (DATA OR INFORMATION) (3N) (PREPARE? ? OR PREPARING OR PREPARATION OR CLEAN? OR TRANSFORM? OR TRANSLAT? OR ANALY?E? ? OR ANALY?ING OR ANALYSIS ) (3N)(TOOL? ? OR SOFTWARE OR APPLICATION? ? OR PROGRAM? ?)  
S4 556 S FLAT()FILE? ? (3N) (WITHOUT OR NO OR "NOT" OR AVOID?? OR AVOIDING OR OMIT OR OMITTED OR OMITTING OR OMISSION OR (LEAVE OR LEFT OR LEAVING)()OUT OR SKIP OR SKIPPED OR SKIPPING)  
S5 5068 S S1 (30N) (S2 OR S3)  
S6 0 S S4 (30N) S5  
S7 83 S S1 (5N) (LINK OR LINKAGE OR LINKED OR LINKING) (5N) (S2 OR S3)  
S8 20665 S (MERGE? ? OR MERGING OR UNITE? ? OR UNITING ) (3N) (S1 OR TABLE? ?)  
S9 1 S S7 (30N) S8  
S10 13 S S5 (10N) ((READ OR READING) (2N) (DIRECT OR DIRECTLY OR STRAIGHT))  
S11 12 S S10 NOT PY>2003  
S12 7 RD (unique items)  
S13 80 S S7 NOT PY>2003  
S14 55 RD (unique items)  
S15 60219 S (S1 OR TABLE? ?) (3N) (COMBINE? ? OR COMBINING OR COMBINATION? ? OR JOIN OR JOINED OR JOINING OR TOGETHER OR INTEGRATE? ? OR INTEGRATING OR INTEGRATION? ? )  
S16 1 S S7 (30N) S15  
S17 0 S S16 NOT (S9 OR S12)  
S18 280 S (TEMP OR TEMPORARY OR SAS ) () (DATASET? ? OR DATA()SET? ?)  
S19 4 S S7 (30N) S18  
S20 4 S S19 NOT (S9 OR S12)  
S21 4 S S20 NOT PY>2003  
S22 4 RD (unique items)

; show files

[File 88] **Gale Group Business A.R.T.S.** 1976-2007/Jan 16  
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[File 369] **New Scientist** 1994-2007/Oct W3  
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[File 160] **Gale Group PROMT(R)** 1972-1989  
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[File 635] **Business Dateline(R)** 1985-2007/Jan 17  
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[File 16] **Gale Group PROMT(R)** 1990-2007/Jan 16  
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[File 810] **Business Wire** 1986-1999/Feb 28  
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*\*File 610: File 610 now contains data from 3/99 forward. Archive data (1986-2/99) is available in File 810.*

[File 647] **CMP Computer Fulltext** 1988-2007/Mar W3  
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[File 98] **General Sci Abs** 1984-2007/Jan  
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[File 148] **Gale Group Trade & Industry DB** 1976-2007/Jan 09  
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[File 634] **San Jose Mercury** Jun 1985-2007/Jan 16  
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[File 275] **Gale Group Computer DB(TM)** 1983-2007/Jan 16  
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[File 75] **TGG Management Contents(R)** 86-2007/Jan W1  
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[File 624] **McGraw-Hill Publications** 1985-2007/Jan 17  
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*\*File 624: Homeland Security & Defense and 9 Platt energy journals added Please see HELP NEWS624 for more*

[File 484] **Periodical Abs Plustext** 1986-2007/Jan W1  
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[File 613] **PR Newswire** 1999-2007/Jan 17  
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*\*File 613: File 613 now contains data from 5/99 forward. Archive data (1987-4/99) is available in File 813.*

[File 813] **PR Newswire** 1987-1999/Apr 30  
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[File 141] **Readers Guide** 1983-2007/Nov  
(c) 2007 The HW Wilson Co. All rights reserved.

[File 239] **Mathsci** 1940-2007/Feb

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[File 370] **Science** 1996-1999/Jul W3

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[File 696] **DIALOG Telecom. Newsletters** 1995-2007/Jan 16

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[File 553] **Wilson Bus. Abs.** 1982-2007/Jan

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[File 621] **Gale Group New Prod. Annou.(R)** 1985-2007/Jan 08

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[File 674] **Computer News Fulltext** 1989-2006/Sep W1

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*\*File 674: File 674 is closed (no longer updates).*

[File 20] **Dialog Global Reporter** 1997-2007/Jan 17

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9/3,K/1 (Item 1 from file: 636) Links

Gale Group Newsletter DB(TM)

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01283671 **Supplier Number: 41423499 (USE FORMAT 7 FOR FULLTEXT)**

## **RDBMS TECHNOLOGY REACHES TRADERS AT SECURITY PACIFIC**

Trading Systems Technology , v 4 , n 1 , p N/A

July 2 , 1990

**Language:** English **Record Type:** Fulltext

**Document Type:** Newsletter ; Trade

**Word Count:** 840

...by Security Pacific, Radius collects real-time prices on a MicroVAX server and distributes them to user PCs running DOS and Microsoft Windows. The proposed RDB/Radius merger will integrate the real-time pricing into the RDB format, and will permit users to combine the real-time market data with risk analysis applications using RDB data.

Unlike traditional database structures that link data items in a fixed hierarchical framework, RDBMSs can flexibly link data elements across multiple relational criteria. While RDBMS technology has been around for years...

9/9/1 (Item 1 from file: 636) Links

Gale Group Newsletter DB(TM)

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01283671 **Supplier Number:** 41423499 **(THIS IS THE FULLTEXT)**

## **RDBMS TECHNOLOGY REACHES TRADERS AT SECURITY PACIFIC**

Trading Systems Technology , v 4 , n 1 , p N/A

July 2 , 1990

ISSN: 0892-5542

**Language:** English **Record Type:** Fulltext

**Document Type:** Newsletter ; Trade

**Word Count:** 840

**Text:**

Security Pacific Corp. has implemented a relational database management system (RDBMS) that houses foreign exchange transaction data, which in turn feeds risk analysis software in real-time. Using Digital Equipment Corp.'s RDB package, Security Pacific has set up discrete RDBMSs on each of its foreign exchange desks worldwide. In the future these will be linked to a central RDB repository.

Security Pacific also plans to integrate the RDB technology into its existing Radius (Rapid Access Display Information Utility System) data delivery platform. Developed by Security Pacific, Radius collects real-time prices on a MicroVAX server and distributes them to user PCs running DOS and Microsoft Windows. The proposed RDB/Radius merger will integrate the real-time pricing into the RDB format, and will permit users to combine the real-time market data with risk analysis applications using RDB data..

Unlike traditional database structures that link data items in a fixed hierarchical framework, RDBMSs can flexibly link data elements across multiple relational criteria. While RDBMS technology has been around for years, RDBMS response times rarely could satisfy trading floor technology managers.

"We on balance have staked our future on this technology," says Richard Harmel, first vice president of facilities and technology in the global trading group of Security Pacific's merchant bank division. "First, the [RDBMS] technology has finally come to the point where response time is acceptable. And second, we're finding the ability to off-load processing and analytics to the workstation has made a RDBMS trading system more realistic."

The system is also being used in Security Pacific's domestic funding area for managing interest rate risk. "Now we also have a few small applications running on our government securities desk, where we will be expanding," says Harmel. Security Pacific is a primary dealer in the U.S. Treasuries market.

And the Winner Is

After an extensive evaluation process, Security Pacific narrowed its

choice of RDBMS down to DEC's RDB system and Relational Technology International Ltd.'s INGRES. "As a result of different benchmarks that we ran as well as certain functionality that we needed to be able to achieve in real-time, we narrowed it down to INGRES and RDB," says Harmel. "We decided we were going to go with DEC RDB because we already had a platform of VAXs to work with," says Harmel. "We determined that RDB had the edge."

The RDB system is up and running at the firm's New York and Los Angeles offices, and should be installed in London and Frankfurt by year-end. Installation at Security Pacific's Singapore, Sydney and Tokyo offices will follow. "As a first cut we are installing individual databases at each location," says Harmel. "As time goes on and distributed processing matures, we are looking towards a central repository, probably located in North America, in conjunction with all these localized database platforms, towards a distributed database-type of functionality."

The database, along with the firm's deal-capture and position-keeping systems, are structured around counterparty portfolios. "Transactions are becoming complicated in that they involve a combination of foreign exchange, a combination of various interest rate instruments, as well as a combination of fixed-income instruments," says Harmel. "As we do transactions we categorize them according to portfolios, transcending all these instruments."

The deal-capture software that links to the RDB system is written in a 4GL called CoreVision by Cortex Inc. The deal-capture and position-keeping systems interact directly with the RDBMS, and they are accessed on the same PC that supports Radius. When a transaction is entered, it is deposited in RDB and simultaneously updates the firm's risk-management system.

#### Risky Relations

All the foreign exchange desks at Security Pacific have also been linked to the firm's risk-management system, which runs on a service bureau. Transaction information entered into the deal-capture system is sent from the local trading desk via wide area telecommunications link to the risk system, in this case, General Electric Information Services' (GEIS) GLS package, which sits on GEIS's worldwide network. GLS then reports back to each trading center the transaction and its impact on the company's position as deals or inquiries are made relative to that counterparty.

"GLS applies the deal information against limits relating to that counterparty which our management has preauthorized," says Harmel. "Typically, if an inquiry is done, the response time is usually within four seconds."

"Just to get up and running in the area of global exposure management functionality, we latched on to GEIS's system and had them modify it extensively for us," he says.

The linkage of Security Pacific's Radius digital data delivery system to RDB is underway. Radius, which in most cases employs 386-based PCs running Windows as the user station, is used by traders to incorporate prices into applications running in Windows. The traders are given free rein to develop their own trading tools, for the most part using Microsoft's Excel spreadsheet.

Radius is now installed in New York, Los Angeles, Frankfurt Tokyo and Sydney. The London and Toronto desks use DIN (Digital Information Network), another proprietary digital distribution system developed by Security Pacific.



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**Publisher Name:** Waters Information Services, Inc.

**Industry Names:** BANK (Banking, Finance and Accounting); BUSN (Any type of business); CMPT (Computers and Office Automation )

12/3,K/1 (Item 1 from file: 88) Links

Gale Group Business A.R.T.S.

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02918544 **Supplier Number:** 12175306

Can SAS serve the enterprise? (SAS Institute's SAS System 6.07 for Information Delivery data analysis software)(includes related article on SAS replacing Cobol at Jefferson-Pilot) (Cover Story)

Ricciuti, Mike

Datamation , v38 , n10 , p28(5)

May 1 , 1992

**Document Type:** Cover Story

ISSN: 1062-8363

**Language:** English **Record Type:** Fulltext; Abstract

**Word Count:** 1546 **Line Count:** 00144

...the part of the slippery executive here, evading an answer that might pegionhole his product. He's telling the truth as he knows it: the SAS System can be just about anything you want it to be. Its modular design lets each user best tailor it to his or her individual...

...and it can pass native Structured Query Language (SQL) requests to DB2, Oracle and other RDBMSs.

Northwest Airlines is currently updating its differing versions of SAS software to 6.07. Sweeney, a systems analyst at Northwest's ST. Paul data center, says the airline uses SAS for financial data analysis, survey marketing, technical operations and even maintenance and cargo tracking. More than 800 employees located around the globe access data stored in DB2 or IMS files through SAS on one of three IBM 3090 mainframes in St. Paul, or on their own PCs or UNIX work-stations.

Northwest inherited its SAS software when it merged in 1987 with Republic Airlines, which used SAS for data analysis, Sweeney says. When the upgrade to release 6.07 is completed, all applications Sweeney and her coworkers write will be able to run on all of the airlines' different computer systems unchanged.

Thanks to the SAS System's modular design and platform independence, Sweeney says, Northwest has been able to replace existing stand-alone applications with SAS and in many cases has avoided having to buy new software. "Different products are good at certain things, but we have to be cost effective now. SAS can be used in a lot of situations," she says.

The SAS System's flexibility may be its greatest strength--and its best kept secret. "MIS managers usually know the power of the system, but they don..."

12/3,K/2 (Item 1 from file: 16) Links

Gale Group PROMT(R)

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03278346 Supplier Number: 44518420 (USE FORMAT 7 FOR FULLTEXT)

### **SAS System Supports IBM DB2 Version 3 03/15/94**

Newsbytes , p N/A

March 15 , 1994

**Language:** English **Record Type:** Fulltext

**Document Type:** Newswire ; General Trade

**Word Count:** 263

...the other feature improvements, will improve response time for transaction processing when queries and batch jobs are running at the same time."

He continued: "With DB2 version 3 and its open Distributed Relational Database Architecture, IBM has significantly strengthened its client-server strategy. It is providing DB2 users with improved performance and greater connectivity tools."

The SAS System's database **access software** - the **SAS/ACCESS** family of interfaces - includes a direct and transparent read and write link between the SAS System and DB2, claims the company. Approximately 1,300 mainframe sites are currently using the **SAS/ACCESS** interface to DB2.

The SAS System is an integrated suite of **software** products for enterprise -wide information delivery. It is installed in 27,200 sites worldwide, including more than 7,000 IBM mainframe sites.

The **software** provides organizations with tools to **access**, manage, analyze and present their data within an **applications** development environment. Capabilities include EIS and decision support, **applications** development, client-server computing, computer performance evaluation, data analysis, database **access**, graphics, project management, quality improvement, report writing, and spreadsheets, said the company.

(Keith Cameron/19940315/Press Contact: Nigel Gasper, 852-568-4280, SAS)

12/3,K/3 (Item 1 from file: 9) Links

Business & Industry(R)

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00515106 Supplier Number: 23015481 (USE FORMAT 7 OR 9 FOR FULLTEXT)

**SAS System Supports IBM DB2 Version 3**

( SAS Institute's SAS/ACCESS family of software interfaces will support IBM's DB2 version 3 in the approximately 1,300 mainframe locations using both software products )

Newsbytes News Network , p N/A

March 15, 1994

**Document Type:** Journal ( United States )

**Language:** English **Record Type:** Fulltext

**Word Count:** 251 (USE FORMAT 7 OR 9 FOR FULLTEXT)

**TEXT:**

He continued: "With DB2 version 3 and its open Distributed Relational Database Architecture, IBM has significantly strengthened its client-server strategy. It is providing DB2 users with improved performance and greater connectivity tools."

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(Keith Cameron/19940315/Press Contact: Nigel Gasper, 852-568-4280, SAS)

12/3,K/4 (Item 1 from file: 810) Links

Business Wire

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0504853 BW1251

**SAS INSTITUTE : Providing improved performance for SAS(R) software users: SAS(R) System To Support IBM's New DB2 Releases**

July 28, 1995

**Byline:** Business Editors

CARY, N.C.--(BUSINESS WIRE)--July 28, 1995--SAS Institute Inc.

-- developer of the SAS(R) System, the world's leading information delivery system -- announced today that its software will support Version 2 of...

...database management

systems, including DB2, DB2/2, DB2/6000, ORACLE, SYBASE and others. Currently, about 6,200 organizations with the SAS System are using the SAS/ACCESS interfaces.

With 1994 revenues of \$482 million, SAS Institute Inc. (Cary, N.C.) is the world's largest privately held independent software company. Since its incorporation in 1976, SAS Institute has consistently led the major software

vendors in percentage of revenue reinvested in research and development (31 percent in 1994, or about \$150 million).

SAS Institute's five market initiatives form the core of its development and marketing efforts, reflecting strengths of the company and its flagship product, the SAS System -- an integrated suite of information delivery software for business decision making. These areas are Data Warehousing, Business Intelligence,

**Applications**

Development, Analytic and Technical, and Business Solutions.

For more information, contact the Software Sales Department at SAS Institute Inc., Cary, N.C. Telephone (919) 677-8000.

SAS and SAS/ACCESS are registered trademarks of SAS Institute

Inc., Cary, NC, USA.

All other tradenames referenced are the trademarks or registered trademarks of their respective companies.

CONTACT: SAS Institute Inc., Cary

Beverly Liles, 919/677-8000, ext. 7026

KEYWORD: NORTH CAROLINA

INDUSTRY KEYWORD: COMPUTERS/ELECTRONICS COMED

12/3,K/5 (Item 1 from file: 275) Links

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01944256 **Supplier Number:** 18315420 (Use Format 7 Or 9 For FULL TEXT )

**Client/server and host application development tools.(1996 Database Buyer's Guide and Client/Server Sourcebook)(Buyers Guide)**

DBMS , v9 , n6 , p27(10)

June 15 , 1996

**Document Type:** Buyers Guide

ISSN: 1041-5173

**Language:** English **Record Type:** Fulltext; Abstract

**Word Count:** 12951 **Line Count:** 01146

...automatic generation of RPC objects in a PowerBuilder Library for the client, and automatic generation of DataWindows for population with RPC results. Reader service #287.

**SAS** System, The SAS Institute Inc., Cary, NC 919-677-8000

Provides tools to **access**, manage, analyze, and present data for a variety of **applications** across a range of computing environments, from mainframes to microcomputers. Capabilities include EIS, data warehousing, graphics, data analysis, report writing, quality improvement, project management, computer performance evaluation, client/server computing, database **access**, decision support, and **application** development. **Base SAS**, the foundation of the **SAS** system, includes a 4GL and ready-to-use called procedures. **SAS** /Assist is a menu-driven interface to many of the **SAS** tools. **SAS**/Connect is a cooperative-processing product that lets local **SAS** sessions establish a conversation between two **SAS** sessions, giving users the ability to transfer data among sessions and across hardware platforms. **SAS/Access** is a family of more than 55 individual interfaces on 15 different platforms that provides direct and transparent read-and-write **access** to various databases, including DB2, SQU DS, IMS, DB2/2, AS/400, Oracle, RDB/VMS, CA-Datcom, CA-OpenIngres, Informix, ODBC, Sybase SQL Server, Microsoft SQL Server, Adabas, and **SAS**'s System 2000. Runs on: IBM 370/390 architecture running MVS, CMS, or VSE; Prime 50; DG Eclipse MV; Digital VAX running Primos, AOS/VS...

12/3,K/6 (Item 2 from file: 275) Links

Gale Group Computer DB(TM)

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01804821 **Supplier Number: 17155728 (Use Format 7 Or 9 For FULL TEXT )**

**Client/server and host app. development tools.(1995 Database Buyer's Guide and Client/Server Sourcebook)(Buyers Guide)**

DBMS , v8 , n6 , p20(13)

May 15 , 1995

**Document Type:** Buyers Guide

ISSN: 1041-5173

**Language:** English **Record Type:** Fulltext; Abstract

**Word Count:** 20277 **Line Count:** 01789

...using industry-standard client/server protocols. Windows with database access (read, write, update, and delete) can be quickly developed and then enhanced to suit the application's needs. A built-in SQL generator supports inner and outer joins, master-detail windows, and forward and backward retrieval. Reporting is supported using Sapiens...

...313.

SAS System, The

SAS Institute Inc., Cary, NC

919-677-8000

Provides tools to access, manage, analyze, and present data for a variety of applications across a range of computing environments, from mainframes to microcomputers. Capabilities include EIS, spreadsheets, graphics, data analysis, report writing, quality improvement, project management, computer performance evaluation, client/server computing, database access, decision support, and application development. Base SAS, the foundation of the SAS system, includes a 4GL and ready-to-use programs called procedures. SAS/Assist is a menu-driven interface to many of the SAS tools. SAS/Connect is a cooperative-processing product that lets local SAS sessions establish a conversation between two SAS sessions, giving users the ability to transfer data among sessions and across hardware platforms. SAS/Access is a family of more than 35 individual interfaces on 15 platforms that provides direct and transparent read-and-write access to various databases, including DB2, SQL/DS, IMS, DB2/2, AS/400, Oracle, Rdb/VMS, CA-Datcom, Ingres, Informix, ODBC, Sybase and Microsoft SQL Server, Adabas, and SAS's System 2000. Runs on: IBM 370 1390 architecture running MVS, CMS, VSE; Prime 50; DG Eclipse MV; DEC VAX running PRIMOS, AOS/VS, OpenVMS...

12/3,K/7 (Item 3 from file: 275) Links

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01688539 **Supplier Number: 15355998 (Use Format 7 Or 9 For FULL TEXT )**

**Client/server and host app. development tools. (1994 Database Buyer's Guide and Client/Server Sourcebook) (Buyers Guide)**

DBMS , v7 , n6 , p17(11)

June 15 , 1994

**Document Type:** Buyers Guide

ISSN: 1041-5173

**Language:** ENGLISH **Record Type:** FULLTEXT; ABSTRACT

**Word Count:** 15043 **Line Count:** 01321

...can create applications that run across hundreds of dissimilar computers, including DOS, Unix, Xenix, AIZ, VMS, MPE/XL, AOS, and DNOS. System Z generates new **applications** with as much as 90 percent fewer lines of code than the same program written in Cobol, Basic, or Mapper. Zortec also offers Tranzform services...

...Z.

The SAS System SAS Institute Inc., Cary, NC 919-677-8000

Provides tools to access, manage, analyze, and present data for a variety of **applications** across a range of computing environments, from mainframes to microcomputers. Capabilities include EIS, spreadsheets, graphics, data analysis, report writing, quality improvement, computer performance evaluation, client/server computing, database **access**, decision support, and **application** development. **Base SAS**, the foundation of the SAS system, includes a 4GL and ready-to-use **programs** called procedures. **SAS/Assist** is a menu-driven interface to many of the SAS Tools. **SAS/Connect** is a cooperative processing product that lets local SAS sessions establish a connection between two SAS sessions, giving users the ability to transfer data between sessions and across hardware platforms. **SAS/Access** is a family of more than 35 individual interfaces on 15 different platforms that provides direct and transparent read and write **access** to various databases, including DB2, SQL/DS, IMS, DB2/2, SQL/400, Oracle, Rdb/VMS, CA-Datcom, Ingres, Sybase SQL Server, Microsoft SQL Server, Adabas, and SAS's own System 2000. Runs on: IBM 370 architecture running MVS, CMS, and VSE; Prime 50; DG Eclipse MV; DEC VAX running Primos, AOS/VS...



22/3,K/1 (Item 1 from file: 275) Links

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01688545 **Supplier Number:** 15356060 (Use Format 7 Or 9 For FULL TEXT )

**Tools and utilities. (1994 Database Buyer's Guide and Client/Server Sourcebook) (Buyers Guide)**

DBMS , v7 , n6 , p63(29)

June 15 , 1994

**Document Type:** Buyers Guide

ISSN: 1041-5173

**Language:** ENGLISH **Record Type:** FULLTEXT; ABSTRACT

**Word Count:** 46074 **Line Count:** 03903

...Sun SPARC under SunOS and Solaris 2.1, HP 9000/700, and IBM RS/6000 under AIX 3.2. Runtime/OEM license also available.

Database **Link** Products for the **SAS** System & RS/1

**Software** Interfaces, Houston, TX 713-492-0707

The Database **Link** products XSTAT, ISTAT, OSTAT, RSTAT, and S-STAT for Informix, Ingres, Oracle, Rdb/VMS, and Sybase, respectively. The **Link** Products for the **SAS** System and RS/1 provide a single-step, bidirectional **link** between the **SAS** System and an **RDBMS**. With the **Link** Products, users can transfer data from an **RDBMS** table or view to an **SAS data set** via a SQL statement without creating intermediate files; store existing **SAS data sets** in an **RDBMS**; and use data transferred from an **RDBMS** with any of the **SAS** procedures for analysis, graphics, and decision support. The Database Links...

22/3,K/2 (Item 2 from file: 275) Links

Gale Group Computer DB(TM)

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01613921 **Supplier Number:** 13901763 (Use Format 7 Or 9 For FULL TEXT )

**Tools and utilities.** (software packages that help database developers prototype and design applications, query, and create help systems, among other uses) (1993 Database Buyer's Guide Special Issue) (Buyers Guide)

DBMS , v6 , n7 , p63(33)

June 15 , 1993

**Document Type:** Buyers Guide

ISSN: 1041-5173

**Language:** ENGLISH **Record Type:** FULLTEXT; ABSTRACT

**Word Count:** 45702 **Line Count:** 03876

...Sun SPARC under SunOS and Solaris 2.1, HP 9000/700 and IBM RS/6000 under AIX 3.2. Runtime/OEM licenses also available.

Database **Link** Products for the SAS System **Software**  
Interfaces, Houston, TX 713-492-0707

**Software** Interfaces' Database **Link** Products are XSTAT, ISTAT, OSTAT, RSTAT, and S-STAT for Informix, Ingres, Oracle, Rdb/VMS, and Sybase, respectively. The **Link** Products for the SAS System are a single-step, bidirectional **link** between the SAS System and an RDBMS. With the **Link** Products, users can transfer data from an RDBMS table or view to a **SAS data set** via a SQL statement without creating intermediate files; store existing **SAS data sets** in an RDBMS; and use data transferred from an RDBMS with any of the SAS procedures for analysis, graphics, and decision support. The Database Links...

22/3,K/3 (Item 1 from file: 621) Links  
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01116753 **Supplier Number: 40879079 (USE FORMAT 7 FOR FULLTEXT)**  
**SAS Institute Releases Interface to Prime Data Base**

News Release , p 1  
July 31 , 1989  
**Language:** English **Record Type:** Fulltext  
**Document Type:** Magazine/Journal ; Trade  
**Word Count:** 258

**SAS** Circle Box 8000  
Cary, NC 27512-8000  
Phone (919) 467-8000  
Fax (919) 469-3737

Contact: Mike Truell  
or Hilary Yeo  
SAS Institute Inc.  
(919...

...a SAS data set. The interface runs in interactive,  
line or batch mode under Version 5.18 of the SAS System under PRIMOS  
(R).

The **SAS**  
/ACCESS Interface to INFORMATION is one of several interfaces  
in the **SAS/ACCESS** software line. Other **SAS**  
/ACCESS software products  
include interfaces to IBM Corp.'s DB2, SQL/DS and IMS; Cullinet  
**Software**  
, Inc.'s IDMS/R (R); Computer Associates' DATACOM/DB (R);  
Digital Equipment's Rdb/VMS (TM); Oracle Corp.'s ORACLE (R);  
**Software**  
AG's ADABAS (R); and **SAS**  
Institute's SYSTEM 2000 (R) Data Management  
**Software**. Interfaces to other data bases are under development.

**SAS/ACCESS software**  
is a modular component of the **SAS** System, an  
integrated **software** system for data management, analysis and  
presentation. The **software**  
is licensed on an annual basis with fees  
based on machine classification.

For more information, contact the **Software Sales Department** at  
**SAS**  
Institute Inc., **SAS**

Circle, Box 8000, Cary NC 27512-8000. Telephone  
(919) 467-8000. In Canada, call (416) 443-9811.

22/3,K/4 (Item 2 from file: 621) Links  
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01098833 **Supplier Number: 40676902 (USE FORMAT 7 FOR FULLTEXT)**  
**SAS Institute Releases ORACLE (R) Interface**

News Release , p 1  
Feb 8 , 1989  
**Language: English Record Type: Fulltext**  
**Document Type: Magazine/Journal ; Trade**  
**Word Count: 377**

**SAS** Circle Box 8000  
Cary, NC 27512-8000  
Phone (919) 467-8000  
Fax (919) 469-3737  
  
Contact: Sharon Respess  
DEXPO East, Booth 228  
or  
Mike Truell...

...development.

SAS/ACCESS software is a modular component of the SAS System, an integrated software system for data management, analysis and presentation. Capabilities within the SAS

System include data entry, retrieval and management; report writing and graphics; statistical and mathematical design and analysis; business planning, forecasting and decision support; project management and operations research; and applications development.

**SAS software**  
is licensed on an annual basis with fees based on machine classification. The first-year license fee for the SAS/ACCESS

Interface to ORACLE ranges from \$1725 to \$6100, with renewals available at a lower rate. Discounts for degree-granting customers are also available. To use SAS/ACCESS software, sites need base SAS software, the foundation of the SAS System.

For more information, contact the Software Sales Department at SAS Institute Inc., SAS Circle, Box 8000, Cary, NC 27512-8000. Telephone (919) 467-8000.